

AUTHOR INDEX*

NOTE

Committee and Special Reports are published in rear forms as part of AHA News.
The reports follow text and are continued into rear ad pages.

A

Abboud S, 237, 585
Abd-Elfattah A, V-129
Abel JG, V-156
Abi-Mansour P, 792
Acinapura AJ, V-109
Ackerman MA, 155
Acquatella H, 556
Adams MR, 1364, I-20, I-29
Addonizio LJ, V-52
Adler S, III-14
Agarwal JB, 786
Agris WS, I-104, I-164
Akasaka T, 262
Akselrod S, 237
Alderman EL, 998, V-56
Alderman MH, I-101, I-168
Alderson PO, 181
Alyono D, 835
Ambrosio G, 906
Amuchastegui LM, 610
Anastassiou I, V-1
Anderson DE, I-89, I-158
Anderson EA, I-95, I-215
Andrew M, 1043
Anthuber M, 101
Appadoo B, 259
Applegate RJ, 1409
Apstein CS, V-150
Archibald DG, VI-54
Arcidi JM Jr, V-22
Armentano R, 1115
Asano H, V-113
Asano K, 68
Ashton JH, 952
Askenase AD, 786
Atwood JE, 312
Austen WG, III-72
Axelrod HI, V-28

B

Bacharach SL, 1214
Bache RJ, 835
Bahnson HT, 827, V-48
Baim DS, 1298
Bajaj A, 469
Baldwin JC, 998, V-43, V-81
Ban T, 115
Bär F, II-63
Barber MJ, 383
Bardy GH, 1053
Barnathan ES, 125
Barra JG, 1115
Barzilai B, 1067
Bassett AL, 1146
Bates ER, 710, 884, II-79
Bauersachs RM, 15
Bauman RP, 705
Baumann FG, III-1, V-28
Baumgartner WA, V-6
Beals TF, 710
Bear G, III-1
Becker C, 843
Becker G, III-1

Belenkie I, 974
Bell AJ, 289
Bell SP, 357
Benson H, I-104
Benson LN, 1081, III-61, III-93, V-168, V-174
Beppu S, 777
Berenson GS, 272
Bergmann SR, 687
Bergusson P, III-1
Berman AD, 1298
Berry C, 657
Bharati S, 394
Bhatia SJS, 819
Bigger JT Jr, 181
Billingham ME, V-81, V-86
Bindon W, V-146
Bingham SE, 469
Black AJ, 891
Blackburn HW, I-84, I-164
Blackman MS, III-19
Blackstone EH, V-93
Blanche C, III-108
Bland EF, 1190
Blumenthal JA, I-104, I-130, I-145
Bohn D, III-93
Bolger AF, III-108
Bolli R, 324, 458
Bonow RO, 1214
Bonzel T, 768
Booker M, 1262
Borer J, 142
Borkon AM, V-6
Bossi M, II-52
Bourdillon PDV, II-79
Bove EL, III-19
Boveja B, 394
Bowie EJW, 898
Boyden PA, 1155
Bradley AB, 1353
Bradshaw BS, 1245
Brandenburg RO, 963A
Brandt B III, V-33
Brandt PWT, 44
Braunwald E, 142, II-2
Bren GB, II-18
Breyer RH, V-161
Brody MJ, I-95, I-150
Brown JE, 891
Brown M, 687
Brown MA, 44
Brown MS, 504
Brundage BH, 135, 1262
Brunsting LA, V-129
Buchanan JW Jr, 1127, 1380
Buckley MJ, III-72
Buda AJ, 163, 929, 943
Buja LM, 952
Burrows F, III-14
Burrows PE, 298, 1081
Buxton AE, 332
Byrum CJ, III-19

C

Cain ME, 1329
Calfee RV, 1176

Califf RM, V-13
Cambien F, 266
Campbell WB, 952
Cannon PJ, 181
Carew TE, 173
Carleton RA, I-124, I-164, I-198
Caromilas J, 181
Cascio WE, 1380
Cass D, III-14
Castaneda AR, III-39
Castaner A, 280
Cataliotti F, 556
Cates CU, 678, 1135
Cernaianu A, 618
Chandraratna PAN, 15, 628
Chaux A, III-108
Chesebro JH, 142, 898
Chesney MA, I-104, I-168
Chiavarelli M, III-34, III-53
Chiu RC-J, V-146
Chomka EV, 1262
Choraria SK, 1307
Christiansen C, 753
Christie J, 539
Clarke BJ, III-77
Clarkson TB, 1364, I-20, I-29, I-101, I-158
Claude J-R, 266
Cleeman JJ, 960
Cobb LA, I-139, I-202
Cohen D, 394
Cohen LS, 142
Cohen M, 1037
Cohen R, 585
Cohn JN, V-62, VI-1, VI-54
Cohn LH, 819, V-65
Colan SD, 1029
Coles JG, 298, III-14, III-61, III-93, III-117, V-168, V-174
Collins JJ, 819
Colvin SB, V-28
Condos WR Jr, 1020
Conway M, 1009
Cooper R, 280
Corin WJ, 59
Corr PB, 404, I-208
Cosgrove DM, III-97
Costa PT Jr, I-145
Costanzo-Nordin MR, V-71
Couper G, III-14
Cox JL, 1329
Cramer MM, 1074
Crottogini AJ, 1115
Cunningham JN Jr, V-109
Cunningham MJ, 1298
Czer LSC, III-108

D

Dai X-Z, 835
Dalen J, 142
Dalsey SC, 1337
D'Ambra MN, III-72
Damske BA, 1214
Danielson GK, III-67, III-88
Das DK, V-161
Dasmahapatra HK, III-14, III-117

*Roman numbers indicate articles published in supplements.

AUTHOR INDEX

Daughters GT, 998
 Davalos V, 556
 David TE, III-102
 Davis JR, 1388
 Davis JW, 363
 DeBoe SF, 710, 884
 De Bruyne B, V-1
 Dec GW, 306
 de Feyter PJ, II-63
 De Robertis M, III-108
 de Zwaan C, II-63
 Dell'Italia LJ, 32
 del Nido PJ, III-93, V-168, V-174
 Dembroski TM, I-89, I-150
 Denny FW, 963
 DeQuattro V, I-84, I-198
 DeRoode M, 442
 DeSanctis RW, 963A
 DiMarco JP, 21, 802
 Dimsdale JE, I-150, I-198
 Dinsmore RE, 963A
 DiSesa VJ, 819, V-65
 Ditchey RV, 357
 Diver DJ, 1298
 Dixon EG, 1176
 Dodge HT, 142, 963A
 Doubilet P, 52
 Douglas FL, 1312
 Douglas JS Jr, 792, 891
 Douglas PS, 77, 1206
 Drajer S, 610
 Drexler H, 1344
 Driscoll DJ, III-88
 Drusin RE, V-52
 Dubarsky H, 1196
 Ducimetiere P, 266
 Duckett S, 155
 Duff HJ, 810
 Duncan KF, III-117
 Dunn FG, 254

E

Eaker E, I-84, I-198
 Easter R, 1337
 Ebert PA, III-83
 Edmunds L, 77
 Egashira K, 480
 Ehsani AA, 548
 Eifler CW, 1245
 Ekelund L-G, 1224
 Eleftheriades J, III-132
 Eliot RS, I-150, I-198
 Elkayam U, 577
 Ellison RL, 312
 Engel BT, I-104, I-215
 Engelman RM, V-161
 Engle CL, 1127
 Epstein M, 1029
 Epstein SE, 1214
 Ernst EEW, 1110
 Esser PD, 181
 Evander E, 843

F

Faidutti B, V-1
 Falkner B, I-89, I-164
 Fallon JT, 306
 Faltemeyer W, 155
 Farina ML, II-52
 Faude F, 1344
 Fedor JM, 1319

Feero S, 1337
 Feigl EO, 737
 Feindel CM, III-102
 Feldman MS, 786
 Feneley MP, 363
 Fenoglio JJ, 1155
 Ferguson JL, 1262
 Fernandez J, 618, III-137
 Fernandez LG, 610
 Ferrell B, 572
 Figulla HR, 208
 Finci L, V-1
 Fine MJ, 1176
 Fisch C, 963A
 Fischer EIC, 1115
 FitzGerald GA, 6
 Fitzgerald PJ, 850
 Flaherty JT, 906
 Fletcher R, VI-54
 Folkow B, I-10, I-95, I-158
 Fong DS, 1245
 Fonger J, 217
 Ford E, 280
 Foreyt JP, I-104, I-168
 Forman MB, 469, 678, 1135
 Fortunato M, 610
 Foster JR, 1380
 Fowler MB, V-86
 Frame LH, 1155
 Francioli PB, 376
 Francis CK, 142
 Francis GS, VI-11
 Franklin D, 488
 Franz MR, 1101
 Franzosi MG, II-52
 Frederickson JED, 1312
 Freedman DS, 272
 Freedom RM, 298, 1081, III-61, III-117
 Friedman M, I-168, I-215
 Friedman PL, 585
 Friesinger GC, 469, 678, 1135, 963A
 Frist W, V-81
 Frohlich ED, 254
 Frostick S, 1009
 Fujita M, 488, 1232
 Fujiwara H, 981
 Fujiwara T, 981, 1092
 Fulop JC, III-123
 Fung AY, 943, II-79
 Furberg CD, I-101, I-145, I-198
 Furuse AK, 68
 Fuster V, 1037
 Fye WB, 493

G

Gall SA, 363
 Gallagher JJ, 1319
 Gallagher KP, 163, 929, 943, 1373
 Galloway AC, V-28
 Gambhir DS, 597
 Ganz P, 585
 Gao SZ, V-56
 Garcia F, 450
 Garcia O, 450
 Gardner TJ, V-6, V-39
 Gauduel Y, V-180
 Gaynor JW, 363
 Geha AS, III-132
 George L, 109
 Gerren RA, 929
 Gersony WM, V-52
 Gervin CA, III-8
 Gettes LS, 1127, 1380

Gewitz MH, III-77
 Gharagozloo F, V-65
 Ghidoni JJ, 1353
 Gianturco C, 891
 Gilday DL, 298
 Gilmour RF Jr, 1388
 Girotti AL, 610
 Glantz SA, 746
 Glass L, 1196
 Glassman E, V-28
 Glaubitz M, 208
 Glauser MP, 376
 Gold HK, 306, V-81
 Goldberg LI, 1312
 Goldstein JL, 504
 Goldstein JP, 717, V-129
 Golino P, 173, 952
 Gomez-Mancebo JR, 556
 Gonzalez-Lavin L, 618, III-137
 Goormastic M, III-97
 Gordon DJ, 1224
 Goto M, 1092
 Gott VL, V-6, V-39
 Grady KL, V-71
 Graham E, 1053
 Gray RJ, III-108
 Green FJ, 383
 Green LS, 1290
 Greenberg M, 21
 Greene HL, 1053
 Greenfield JC Jr, 705
 Greenfield LJ, III-8
 Grekin RJ, 884
 Grice WN, V-150
 Grieco JG, V-71
 Griffith BP, 827, V-48
 Grines CL, 1373
 Gross GJ, 191, 916
 Grossi EA, III-1, V-28
 Grossman W, 1298
 Grousset C, V-180
 Grundy SM, 523
 Grunkemeier G, III-137
 Guarnieri T, 217
 Guevara MR, 1196
 Guo ZM, 1422
 Guyene TT, 753
 Guyton RA, V-22

H

Haber E, 306, V-81
 Haberl R, 101
 Hackney K, 1206
 Hagler DJ, III-53
 Haines DE, 802
 Hamashima Y, 981
 Hammond GL, III-132
 Hammond MG, 259
 Hammond RL, 155
 Hande KR, 678
 Hannan PJ, 1224
 Hansen DE, 998
 Hardesty RL, 827, V-48
 Harrell FE Jr, V-13
 Hartley CJ, 458
 Hartley LH, I-168, I-215
 Hashim SW, III-132
 Hassager C, 753
 Hatcher CR Jr, V-22
 Hatle LK, V-86
 Haws CW, 1290
 Hayashi Y, 480
 Haynes SG, I-84, I-139

Hazuda HP, 1245
 Healy B, V-39
 Hedges JR, 1337
 Hein RA, V-65
 Helfant RH, 786
 Hendrix GH, I-89, I-168
 Henry DP, 383
 Henry JP, I-89, I-158
 Herd JA, I-89, I-168
 Hess ML, 458
 Hess OM, 59
 Hill R, 324
 Hiller WDB, 1206
 Hillis D, 142
 Himmelstein SI, 705
 Hiramatsu O, 1092
 Hiratzka LF, V-33
 Hirose H, III-24, III-45, V-141
 Hirshfeld JW Jr, 125
 Hlatky MA, V-13
 Hoadley SD, 1020
 Hoff SJ, V-6
 Hoffman BF, 1155, 1397
 Hohmann T, 324
 Hoing S, 1344
 Holman WL, 1329
 Homans DC, 835
 Horneffer PJ, V-6, V-39
 Hsieh W-R, III-83
 Hsueh W, 577
 Hugenholtz PG, II-63
 Hughes CV, VI-54
 Hultgren HH, 963A
 Humes RA, III-67
 Hunt SA, V-43, V-56, V-86
 Hunter CE, V-28
 Hussein H, 1353
 Hyde J, 1224

I

Ianuzzo D, V-156
 Ideker RE, 1176
 Imparato AM, III-1
 Imura H, 115
 Inoue H, 383, 637
 Irvin CW Jr, I-139, I-198
 Isobe M, 1251
 Ivanov J, III-123
 Izumi S, 777

J

Jacobowitz IJ, V-109
 Jacobs DR, 1224
 Jacobs ML, III-72
 Jacobus WE, 906
 Jacqueson A, 266
 James DH, 850
 James SA, I-60, I-84, I-139
 Janicki JS, VI-40
 Jesse MJ, I-101
 Jimoh A, 657
 Johnson LL, 181
 Johnson TA, 1127, 1380
 Jones EL, III-146
 Jones RA, III-39
 Josephson ME, 332
 Joubert T, 394
 Joyner RW, 860
 Julius S, I-101, I-202

Julsrud PR, III-34
 Just H, 768, 1344

K

Kadish AH, 217
 Kadoba K, V-141
 Kajiya F, 1092
 Kammerling JJ, 383
 Kanazawa S, 1092
 Kaplan JR, I-20, I-29, I-89, I-158
 Kaplan KR, 1364
 Karp RB, V-93
 Kashima T, 201
 Kasper W, 768
 Kass DA, 1422
 Kass RM, III-108
 Kato H, 262, III-24, III-45
 Kaufmann PG, I-104, I-158, I-202
 Kavey R-EW, III-19
 Kawai C, 981, 1232
 Kawanishi DT, 15, 628
 Kawashima Y, III-24, III-45, V-141
 Keller AM, 181
 Kemkes BM, 101
 Kemp S, III-141
 Kenny J, 52
 Kerber RE, V-33
 Khalilullah M, 597
 Khanna SK, 597
 Khaw BA, 306, V-81
 Kielmanowicz S, III-61, V-168
 Kienzie MG, 860
 Kihara Y, 1232
 Kilpatrick D, 289, 1282
 Kim SG, I
 Kimura S, 1146
 King SB III, 792, 891
 Kingma I, 875, 974
 Kinoshita N, 777
 Kirklín JK, V-93
 Kirklín JW, V-93
 Kirkpatrick SE, 109
 Kirshenbaum JM, 819
 Kishimoto H, III-45
 Kisslo JA, 363
 Kiyonaga K, 201
 Kleaveland JP, 125
 Klocke FJ, 1183
 Klotman PE, 705
 Knatterud G, 142
 Kobrin I, 254
 Kodama I, 226
 Kohler TR, 1074
 Kohman L, III-19
 Kohya T, 1146
 Koizumi K, 262
 Konishi T, 1232, V-150
 Kono A, 1422
 Kopf GS, III-132
 Kormos RL, V-48
 Kosta PD Jr, I-89
 Kozlovskis PL, 1146
 Kramer M, V-109
 Krantz DS, I-84, I-145
 Krayenbuehl HP, 59
 Kreuzer H, 208
 Kron J, 1053
 Krukenkamp IB, V-122
 Kujovich JL, 1061
 Kukreja RC, 458
 Kulick D, 577
 Kuller LH, I-139, I-177
 Kuroda O, III-24

Kussmaul WG, 125
 Kyo S, V-113

L

Labin IN, 1262
 Lam JYT, 898
 Lamberth WC Jr, V-33
 Lambert JJ, 109
 Lamparello PJ, III-1
 Lancaster JL, 32
 Lang P, III-39
 Langford DA, V-22
 Laniado S, 237
 Larson SM, 1214
 Lasater TM, I-124
 Laschinger JC, V-28
 Lasher JC, 32
 Laskey WK, 125
 Latham RD, 1020
 Laub G, III-1
 Laurence RG, V-65
 Lavercombe PS, 289
 Law WR, 1262
 Lazzari J, 610
 Leary WP, 259
 LeBlanc J, V-104
 Ledingham J, 1009
 LeDoux JE, I-2
 Lee A, 827
 Lee JT, 1053
 Lee KL, V-13
 Lee ME, III-108
 Lehmann KG, 312
 Lehmann MH, 759
 Leiboff RH, II-25
 Leimgruber PP, 792
 Leinbach RC, 306
 Leizorovitz A, II-44
 Lemeshow S, V-161
 Lenfant C, 960
 Lerman BB, 21, 802
 Lerrick KS, 181
 Lev M, 394
 Levenson RM, I-104, I-130, I-168
 Levine JH, 217
 Levine TB, V-62
 Levitsky S, V-122
 Levy MN, I-95, I-202
 Levy RJ, 1061
 LeWinter MM, 357
 Lewis B, III-137
 Liberman HA, V-22
 Liedtke AJ, 667
 Liem LB, 1101
 Light KC, I-67, I-89, I-150
 Light RT, 469
 Lima JA, 875
 Linderer T, II-44
 Lindsay BD, 601
 Little AG, 843
 Lochan R, 597
 Lock JE, III-39
 Loop FD, III-97
 Lopez Morillos MA, 610
 Loughhead MG, 289
 Lown B, I-158, I-186, I-198
 Ludbrook P, 142
 Lux RL, 1290
 Lytle BW, III-97

M

MacDonald RPR, 974
 Machii K, 1251

AUTHOR INDEX

Magilligan DJ Jr, III-141
 Magro AE, III-72
 Maharaj B, 259
 Mahmarian JJ, 324
 Maier GW, 363
 Mair DD, III-67
 Malinverni R, 376
 Mancini GBJ, 32, 710, 884, 1274, 1373
 Mannion JD, 155
 Manolio TA, V-6
 Manuck SB, 1364, I-29, I-84, I-158
 Manyari DE, 875
 Marchlinski FE, 332
 Marcus ML, 245, 728, V-33
 Margolis SF, III-72
 Mark DB, V-13
 Markis JE, 142
 Maroko PR, 173, 610
 Maron BJ, 1214
 Marshall DR, 687
 Martin W III, 548
 Massie B, 1009
 Mathewson JW, 109
 Matloff JM, III-108
 Matrai A, 1110
 Matre K, 90
 Matsuda H, III-24, III-45, V-141
 Matsuda M, 981
 Matsumura M, V-113
 Matsuoka S, 1092
 Matta F, II-52
 Maughan WL, 1422
 Maurer G, III-108
 Mauri F, II-52
 Mayer JE, III-39
 McNulty J, 1053
 McCoy CE, 1312
 McDaniel MD, 850
 McDougall IR, V-81
 McElroy PA, VI-40
 McGiffin DC, V-93
 McGillem MJ, 710, 884, 1373
 McGlaughlin PR, III-61
 McGoon DC, 1037
 McGrath LB, III-137
 McIntosh N, 577
 McKay CR, 628
 McKay LL, 1298
 McKay RG, 1298
 McManimon SP, 929
 McNatt JM, 952
 McPherson DD, V-33
 Meador JT, 1176
 Meier B, V-1
 Meiselman HJ, 15
 Melendez FJ, V-65
 Melton HE, 1067
 Menasche P, V-180
 Merrill JC, 217
 Messerli FH, 254
 Michael LH, 458
 Michel IM, 952
 Mickle DAG, V-168, V-174
 Mietus-Snyder M, III-39
 Mikelson JK, 710
 Miller DC, 998
 Miller DD, 990
 Miller JG, 1067
 Miller JM, 332
 Miller NE, I-202, I-150
 Miller RE, I-101, I-139
 Mirsky I, 343
 Mirvas DM, 697
 Mitchell LB, 810
 Miyatake K, 777

Miyazaki S, 1232
 Moes F, III-61
 Mohr GA, 1067
 Mohri N, 68
 Mon GA, 610
 Monrad ES, 59
 Montgomery DG, 1274
 Moore EN, 217
 Mor-Avi V, 237
 Moret P, V-1
 Moreyra E, 610
 Mori W, 68
 Morris DC, V-22
 Morris JJ III, 717
 Motamedi M, 1353
 Motoyama T, V-113
 Mouas C, V-180
 Mudge GH Jr, 819
 Mueller H, 142
 Muhlbaier LH, V-13
 Murakami T, 59
 Murali S, 827
 Murdock DK, V-71
 Murphy CE, 717, V-129
 Murphy LE, V-129
 Murphy MB, 1312
 Murphy MS, V-28
 Murray JJ, 6
 Musewe NN, 1081
 Myerburg RJ, 1146
 Myers HF, I-84, I-150

N

Naasz C, V-86
 Nagai R, 1251
 Nagamoto T, 201
 Nagata S, 777
 Nair M, 597
 Nakada T, V-141
 Nakamura M, 480
 Nakamura Y, 1232
 Nakano S, III-24, III-45
 Nakao K, 115
 Nakao S, 201
 Nakaoka H, 1251
 Nance DR, 1074
 Natelson BH, I-95, I-208
 Nattel S, 442, 1196
 Nellis SH, 667
 Nemanich JW, VI-46
 Nerem RM, 648
 Neuhaus K-L, II-44
 Newfeld EA, III-29
 Nicklas JM, II-79
 Nikaidoh H, III-29
 Nikkilä EA, 529
 Nimura Y, 777
 Ning X-H, 929
 Nishigaki K, III-45
 Nishimura K, 115
 Nobuyoshi M, 1251
 Nonogi H, 59, 1232
 Norris RM, 44
 Norwood WI, III-77
 Nowak J, 6

O

O'Connell JB, V-71
 O'Gara PT, 1214

O'Neill W, II-79
 O'Rourke RA, 1353, 1409
 O'Toole ML, 1206
 Oates JA, 6
 Obata K, 115
 Obrist PA, I-95, I-150
 Offord KP, III-67
 Ogasawara Y, 1092
 Ogawa M, III-24, III-45
 Ogletree ML, 952
 Okumachi F, 262
 Okumura K, 115
 Olafsson B, 1135
 Oldham HN, V-13
 Olivari MT, V-62
 Olley PM, 1043, III-61
 Omoto R, V-113
 Onodera T, 981
 Osaka T, 226
 Osterholzer G, 101
 Otani H, V-161
 Overholt ED, 21
 Oyer PE, V-43, V-81

P

Page RL, 1155
 Palacios IF, 306
 Palmez JC, 450
 Pampallona S, II-52
 Pantapoulos D, 601
 Park Y-D, 777
 Parker JO, 572
 Parness IA, 1029
 Pasipoularides A, 1020
 Passamani ER, 142
 Pasternack PF, III-1
 Patel R, 280
 Pearce JA, 1353
 Pearson TA, V-6
 Pelc LR, 191
 Pelletier GB, 990
 Pellom GL, 717
 Peniston C, V-156
 Peper WA, III-97
 Pepine CJ, 963A
 Pérez JE, 1067
 Peterson E, III-141
 Peterson J, 1053
 Peterson KL, 343
 Pichel RH, 1115
 Pickering TG, I-77, I-104, I-215
 Pieper GM, 916
 Pifarre R, V-71
 Pilcher J, 1307
 Pitt B, I-101, I-208, II-79
 Piwnica A, V-180
 Plappert T, 52, 77
 Plumb VJ, V-93
 Pogwizd SM, 404
 Pollak ER, 843
 Popp RL, V-86
 Porter CJ, III-67
 Pou A, 1135
 Powers ER, 142
 Pratt CM, 324
 Price R, 469
 Pryor DB, V-13
 Ptacin MJ, 539
 Pudifin DJ, 259
 Puett DW, 469, 678, 1135
 Puga FJ, III-34, III-53, III-67

Q

Quantz M, 442
 Quinlan W, III-137
 Qureshi DG, III-8

R

Rabin B, 827
 Rabinovitch M, 1043, III-61
 Radda G, 1009
 Raheja S, 952
 Rahimtoola SH, 15, 577, 628
 Raichlen J, 77
 Rainer C, 15
 Rajagopalan B, 1009
 Rajfer SI, VI-46
 Rakowski H, III-123, V-104
 Ramanathan KB, 697
 Ramza BM, 860
 Randall WC, I-104, I-215
 Rankin JS, 363, V-13
 Rapaport E, 963A
 Redd DCB, 792
 Reddy PS, 827
 Reemtsma K, V-52
 Reeves TJ, 963A
 Reichel N, 77, 1206
 Reichenspurner H, 101
 Reid CL, 15, 628
 Rein AJJT, 1029
 Reis DJ, I-2, I-95, I-208
 Reison DS, V-52
 Reiter SJ, 728
 Reitz BA, V-6
 Rembert JC, 705
 Remme WJ, II-63
 Repine JE, 458
 Res J, II-63
 Resser KJ, III-108
 Reuter SR, 450
 Reves MJG, V-13
 Rice MJ, III-67
 Rich S, 135
 Richard J-L, 266
 Righetti A, V-1
 Riis BJ, 753
 Riles TS, III-1
 Ring WS, V-62
 Rishton M, III-72
 Ritter DG, 1037
 Robbins RC, V-52
 Roberts R, 142, 324, 458
 Robertson T, 142
 Robicsek F, 1319
 Robinson C, I-177
 Robinson JA, V-71
 Robinson KA, 891
 Rogué F, 610
 Roig E, 280
 Rolett EL, 850
 Romano A, III-77
 Rose BF, 572
 Rose DM, V-109
 Rose EA, V-52
 Rosenberg H, III-61
 Rosengarten M, 1196
 Rosenman RH, I-95, I-145
 Rosenthal A, III-19
 Rosenthal M, 1245
 Ross A, 142
 Ross AM, II-1, II-18, II-57, II-88
 Ross J Jr, 963A
 Rossen JD, VI-46

Roth A, 577
 Rothbart ST, 601
 Roubin GS, 792, 891
 Rousou JA, V-161
 Rowe RD, 1043, III-61
 Roy D, 990
 Ruberman W, I-168, I-198
 Rubinstein RI, 786
 Rumberger JA, 728
 Russo P, III-88
 Rutishauser W, V-1
 Ryan TJ, 142, 963A
 Rykiel MF, V-6

S

Sadeh D, 585
 Safian RD, 1298
 Sagar KB, 539
 Sagawa K, 1422
 Sahn DJ, 657
 Saito Y, 115
 Sakakibara H, 777
 Saksena S, 394, 601
 Salerno TA, V-156
 Salter DR, 717, V-129
 Salzman D, 52
 Sanders SP, 1029
 Sano T, III-24, III-45
 Sasayama S, 1232
 Sasyniuk BI, 427
 Sawa Y, V-141
 Scanlon PJ, V-71
 Schaefer DH, II-57
 Schaff HV, III-67
 Schatz RA, 450
 Schmidt-Dohna J, 657
 Schmitz J, 952
 Schneiderman N, I-41, I-89, I-150
 Schoen FJ, 109, 618, 1061
 Schroeder JS, V-56
 Schröder R, II-44
 Schwartz CJ, 648
 Schwartz H, II-25
 Schwartz JS, 125
 Schwartz PJ, I-104, I-215
 Scott-Douglas NW, 875
 Segall G, V-81
 Segedal L, 90
 Seldin DW, 181
 Seligman KP, III-77
 Selle JG, 1319
 Sellers TD, 21
 Selwyn A, 585
 Sereika S, III-19
 Serruys PW, II-63
 Shakudo M, 262
 Shanes JG, 971
 Shapiro AP, I-101, I-198
 Shargorodsky B, 237
 Shekelle RB, I-84, I-145
 Sheldahl LM, 539, VI-54
 Shemin RJ, 819, V-65
 Shepherd JT, I-89, I-150, VI-3
 Sherret H, III-14, III-61, III-117
 Shimazaki Y, III-24, V-141
 Shimokawa H, 898
 Shine KI, I-208
 Shiratori K, 262
 Shlafer M, 929
 Shoup TA, 1067
 Shrier A, 1196
 Shulz B, 1337
 Shumaker SA, I-139, I-198
 Shumway NE, V-43
 Shurman AJ, VI-46
 Siegel RJ, 891
 Silver MA, V-71
 Silverman JF, V-56
 Silverman NA, V-122
 Simmons B, 280
 Simon A, V-62
 Simoons ML, II-63
 Sirna S, V-33
 Skinner JE, I-150, I-208
 Slattery SA, III-123
 Sleight P, 1009
 Slinker BK, 357
 Smallhorn JF, 298, 1081, V-104
 Smiseth OA, 875
 Smith CR, V-52
 Smith ER, 875, 974
 Smith RT Jr, 21
 Snyder EL, 312
 Sobel BE, 142, 687, 1067, II-39
 Sobel M, III-8
 Solchaga JC, 610
 Sondheimer HM, III-19
 Sonoda R, 115
 Spear JF, 217
 Spencer FC, V-28
 Spiegel A, 77
 Sprague EA, 648
 Srinivasan SR, 272
 St. John Sutton MG, 52, 77, 819
 Stanford W, 728
 Starling MR, 32, 1274
 Starnes VA, V-43
 Steele PM, 1037
 Steffenino GD, V-1
 Stein P, III-141
 Steinbach BL, 648
 Steinbeck G, 101
 Steinberg D, 502, 508
 Steinman RT, 759
 Stephenson LW, 155
 Stern M, 217
 Stern MP, 1245
 Stewart JM, III-77
 Stinson EB, 998, V-43, V-56, V-81, V-86
 Stirling MC, 929
 Strandness DE Jr, 1074
 Strauss HW, 306, V-81
 Strohschein JW, 850
 Strøm V, 753
 Sugawara K, 115
 Sullivan HJ, V-71
 Sunagawa K, 1422
 Suryapranata H, II-63
 Svenson RH, 1319
 Swerdlow CD, 21, 1053, 1101
 Syme SL, I-84, I-112, I-139
 Sznajder JJ, 843

T

Tadaoka S, 1092
 Tajimi T, 343
 Takaku F, 1251
 Takami H, V-141
 Takamoto S, V-113
 Takao S, 262
 Talajic M, 442
 Talbott EO, I-177
 Tamura T, 657
 Tan RC, 860
 Tanaka H, 201
 Tanaka M, 981

AUTHOR INDEX

Tang ASL, 1176
 Taniguchi K, III-24, III-45
 Tantengco MV, 469
 Tarjan PP, 394
 Taylor AL, 952
 Taylor D, 1307
 Taylor L, 125
 Taylor MJ, III-14
 Tebbe U, II-44
 Tenzer ML, 1262
 Teoh KH, III-123
 Thickman D, 786
 Thom H, 1043
 Thomas LJ III, 1067
 Thompson CR, 974
 Thompson ME, V-48
 Thoresen CE, I-168, I-215
 Thornton BC, 324
 Thérout P, 990
 TIARA Study Group, 610
 Tikkanen MJ, 529
 Tio FO, 450
 Tobert JA, 534
 Toggart EJ, 667
 Tognoni G, II-52
 Tomaru T, 68
 Tomoike H, 480
 Tong CP, III-123
 Topol EJ, II-79
 Torres JH, 1353
 Toyama J, 226
 Trento A, 827, V-48
 Tristani FE, 539, VI-54
 Trost DC, 1224
 Trusler GA, 1043, III-14, III-61, III-93, III-117, V-104, V-174
 Tsuboi N, 226
 Tsuchimochi H, 1251
 Tsujioka K, 1092
 Tuero P, 610
 Turley K, III-83
 Tyagi S, 597
 Tyberg JV, 875, 974
 Tyroler HA, 515, I-84, I-139

U

Uchida Y, 68
 Ueda S, 1251
 Ulliyot DJ, III-149
 Uretsky BF, 827

V

Valantine HA, V-43, V-86
 Valdes-Cruz LM, 657
 Valois M, 427
 van den Brand M, II-63
 Vandenburch N, 1074
 van der Laarse A, II-63

van Domburg R, II-63
 Van Lingen A, 1214
 Vanhoutte PJ, 898
 Velebit V, V-1
 Ventura HO, 254
 Verani MS, 324
 Vered Z, 1067
 Verheugt FWA, II-63
 Vermeer F, II-63
 Verrier RL, I-48, I-158, I-202
 Verstraete M, II-31
 Vetterlein F, 208
 Villalobos L, 556
 Villamater J, III-93
 Virmani R, 469, 678, 1135
 Vlahakes GJ, III-72
 Vogel RA, 710, 1373
 von Segesser L, V-1
 Vrobel TR, 835

W

Wackers FJ, II-8
 Wada Y, 1092
 Waldman JD, 109
 Waldo AL, V-93
 Walker SJ, 289, 1282
 Walling A, 990
 Walsh RA, 32, 1274, 1409
 Walton J, II-79
 Wann LS, 539
 Warltier DC, 191
 Warnet J-M, 266
 Wasserman AG, II-18, II-57
 Wasserman K, VI-29
 Wasty N, 601
 Watanabe AM, 383
 Watanabe I, 1127
 Watanabe T, III-17
 Waters DD, 990
 Watkins L, V-6
 Watkins LO, I-164
 Webb CL, 1061
 Webber LS, 272
 Weber KT, VI-40
 Weber M, 101
 Weber RR, 1312
 Wechsler AS, 717, V-129
 Weder AB, 884
 Wegscheider K, II-44
 Weiderhold V, V-56
 Weinberg SL, 963A
 Weingard KW, 1364, I-20
 Weinstein JS, 1298
 Weisel RD, III-123
 Weisfeldt M, 906
 Weisman HF, 217
 Welch AJ, 1353
 Whaley FS, 1224
 Whipp BJ, VI-18
 White CW, 245, 563

White HD, 44
 Whitlock RML, 44
 Wigle ED, V-104
 Wild CJ, 44
 Willerson JT, 142, 952
 Williams DO, 142
 Williams JF Jr, 963A
 Williams RB Jr, I-95, I-117, I-150
 Williams WG, 1043, III-14, III-61, III-93, III-117, V-104, V-174
 Willshaw P, 1115
 Wilson BH, 678
 Wilson GJ, 298, V-168, V-174
 Wilson RF, 245, 563
 Winters GL, V-71
 Wittnich C, V-156
 Wolf PD, 1176
 Wolf S, I-84, I-139
 Wolfkiel CJ, 1262
 Wollschlaeger H, 768
 Woolf PK, III-77
 Wu D-J, 981
 Wu K-M, 1397
 Wyman RM, 1298
 Wyse DG, 810

Y

Yadav BS, 597
 Yamada A, 480
 Yamada K, 226
 Yamaguchi T, 1251
 Yasuda T, 306, V-81
 Yasue H, 115
 Yazaki Y, 1251
 Yee EW, III-83
 Yoganathan AP, 657
 Yokote Y, V-113
 Yonge R, 1009
 Yoshida K, 262
 Yoshikawa J, 262
 Young JB, 324
 Young M-L, 860
 Young PJ, 819

Z

Zaret BL, II-8
 Zeballos G, III-77
 Zeiher AM, 768
 Zhu J, 802
 Zhu W-X, 458
 Zimmerman JM, 181
 Zimmern SH, 1319
 Zipes DP, 383, 637, 1388, I-202
 Zisbrod Z, V-109
 Zotz RJ, 163
 Zweier JL, 906

SUBJECT INDEX*

A

Ablation

- The cellular electrophysiologic changes induced by ablation: comparison between argon laser photoablation and high-energy electrical ablation, 217
- Cryosurgical treatment of atrioventricular node reentrant tachycardia, 1329
- Laser probe ablation of normal and atherosclerotic human aorta in vitro: a first thermographic and histologic analysis, 1353
- Low-energy transvenous ablation of the canine atrioventricular conduction system with a suction electrode catheter, 394
- Neodymium:YAG laser photocoagulation: a successful new map-guided technique for the intraoperative ablation of ventricular tachycardia, 1319

Acetate

- Delineation of myocardial oxygen utilization with carbon-11-labeled acetate, 687

N-Acetylcysteine

- Nitrate tolerance: lack of effect of N-acetylcysteine, 572

Action potential

- Effects of activation sequence and anisotropic cellular geometry on the repolarization phase of action potential of dog ventricular muscle, 226

Adenosine

- Reduction of reperfusion injury in the canine preparation by intracoronary adenosine: importance of the endothelium and the no-reflow phenomenon, 1135

Adrenergic effects

- The paradox of adrenergic coronary vasoconstriction, 737

Aerobic capacity

- Determination of aerobic capacity and the severity of chronic cardiac and circulatory failure, VI-40

Aging

- The effects of age on outcome after coronary bypass surgery, V-6

Ambulatory monitoring

- The management of patients with life-threatening ventricular tachyarrhythmias: programmed stimulation or Holter monitoring (either or both)? I

Amiodarone

- Frequency-dependent effects of amiodarone on atrioventricular nodal function and slow-channel action potentials: evidence for calcium channel-blocking activity, 442
- Predictors of efficacy of amiodarone and characteristics of recurrence of arrhythmia in patients with sustained ventricular tachycardia and coronary artery disease, 802

Anaerobic threshold

- Determinants and detection of anaerobic threshold and consequences of exercise above it, VI-29

Angina

- Long-term prognosis of patients with variant angina, 990
- Reinfarction, recurrent angina, and reocclusion after thrombolytic therapy, II-57

Angina pectoris

- Changes in blood rheology in patients with stable angina pectoris as a result of coronary artery disease, 15

Angiography

- Guidelines for coronary angiography. A report of the American College of Cardiology/American Heart Association Task Force on Assessment of Diagnostic and Therapeutic Cardiovascular Procedures (Subcommittee on Coronary Angiography), 963A

Angioplasty

- Aspirin and dipyridamole in the prevention of acute coronary thrombosis complicating coronary angioplasty, 125
- Autologous blood perfusion for myocardial protection during coronary angioplasty: a feasibility study, 312
- Balloon-expandable intracoronary stents in the adult dog, 450
- Combined percutaneous aortic valvuloplasty and transluminal coronary angioplasty in adult patients with calcific aortic stenosis and coronary artery disease, 1298
- Comparison of multivessel coronary angioplasty with surgical revascularization with both internal mammary arteries, V-1

- Coronary angioplasty as therapy for acute myocardial infarction: University of Michigan experience, II-79

- Detection of transient myocardial ischemia by computer analysis of standard and signal-averaged high-frequency electrocardiograms in patients undergoing percutaneous transluminal coronary angioplasty, 585

- Early and late results of intracoronary arterial stenting after coronary angioplasty in dogs, 891

- Effect of angioplasty-induced endothelial denudation compared with medial injury on regional coronary blood flow, 710

- Percutaneous transluminal balloon angioplasty of the aorta in patients with aortitis, 597

- Surgical standby for percutaneous coronary angioplasty, III-149
- The transstenotic pressure gradient trend as a predictor of acute complications after percutaneous transluminal coronary angioplasty, 792

Angiotensin

- Modulation of vascular capacitance by angiotensin and nitroprusside: a mechanism of changes in pericardial pressure, 875

Antibiotics

- Comparison of single and multiple doses of prophylactic antibiotics in experimental streptococcal endocarditis, 376

Antimyosin antibody imaging

- Indium 111-monoclonal antimyosin antibody imaging in the diagnosis of acute myocarditis, 306

Antimyosin imaging

- Noninvasive detection of human cardiac transplant rejection with indium-111 antimyosin (Fab) imaging, V-81

Aortic aneurysm

- The hemodynamics of β -blockade in patients undergoing abdominal aortic aneurysm repair, III-1

Aortic regurgitation

- Influences of localized aortic valve damage on coronary artery blood flow in acute aortic regurgitation: an experimental study, 201
- Quantitative determination of aortic regurgitant volumes in dogs by ultrafast computed tomography, 728

Aortic valvuloplasty

- Combined percutaneous aortic valvuloplasty and transluminal coronary angioplasty in adult patients with calcific aortic stenosis and coronary artery disease, 1298

Aortitis

- Percutaneous transluminal balloon angioplasty of the aorta in patients with aortitis, 597

Aortoiliac disease

- Duplex scanning for diagnosis of aortoiliac and femoropopliteal disease: a prospective study, 1074

Arrhythmia

- The cellular electrophysiologic changes induced by ablation: comparison between argon laser photoablation and high-energy electrical ablation, 217

- Determinants of induced sustained arrhythmias in survivors of out-of-hospital ventricular fibrillation, 1053

- Electrophysiologic mechanisms underlying arrhythmias due to reperfusion of ischemic myocardium, 404

- The hemodynamic effects of sotalol and quinidine: analysis by use of exercise-gated radionuclide angiography, 324

- Low-energy transvenous ablation of the canine atrioventricular conduction system with a suction electrode catheter, 394

- The management of patients with life-threatening ventricular tachyarrhythmias: programmed stimulation or Holter monitoring (either or both)? I

- Mechanisms of behaviorally induced arrhythmias, I-48

- Predictors of efficacy of amiodarone and characteristics of recurrence of arrhythmia in patients with sustained ventricular tachycardia and coronary artery disease, 802

- Prehospital trial of emergency transcutaneous cardiac pacing, 1337

- Relief of life-threatening ventricular tachycardia and survival after direct operations, V-93

Arterial stenting

- Early and late results of intracoronary arterial stenting after coronary angioplasty in dogs, 891

Aspirin

- Aspirin and dipyridamole in the prevention of acute coronary thrombosis complicating coronary angioplasty, 125

*Roman numbers indicate articles published in supplements.

Atenolol

Time course of regression of left ventricular hypertrophy in hypertensive patients treated with atenolol, 254

Atherogenesis

Influence of laminar steady-state fluid-imposed wall shear stress on the binding, internalization, and degradation of low-density lipoproteins by cultured arterial endothelium, 648

Mechanisms of atherogenesis, I-20

Psychophysiological factors in atherogenesis and coronary artery disease, I-41

Psychosocial influences on the pathogenesis of atherosclerosis among nonhuman primates, I-29

Atherosclerosis

Does coronary artery bypass surgery restore normal maximal coronary flow reserve? The effect of diffuse atherosclerosis and focal obstructive lesions, 563

Inhibition of coronary atherosclerosis by propranolol in behaviorally predisposed monkeys fed an atherogenic diet, 1364

Laser probe ablation of normal and atherosclerotic human aorta in vitro: a first thermographic and histologic analysis, 1353

Lipoproteins and the pathogenesis of atherosclerosis, 508

Regulation of low-density lipoprotein receptors: implications for pathogenesis and therapy of hypercholesterolemia and atherosclerosis, 504

Atrial balloon pump

Augmentation of pulmonary blood flow by a right atrial balloon pump after the Fontan operation, III-72

Atrial flutter

Circus movement in the canine atrium around the tricuspid ring during experimental atrial flutter and during reentry in vitro, 1155

Effects of procainamide and *N*-acetylprocainamide on atrial flutter: studies in vivo and in vitro, 1397

Atrial natriuretic factor

Effect of atrial natriuretic factor on transmural myocardial blood flow distribution in the dog, 705

Hormonal responses to cardiac tamponade: release of inhibition of atrial natriuretic factor despite elevation of atrial pressures, 884

Atrial natriuretic peptide

Elevated atrial natriuretic peptide after the Fontan procedure, III-77

Atrial natriuretic polypeptide

Clinical application of atrial natriuretic polypeptide in patients with congestive heart failure: beneficial effects on left ventricular function, 115

Atrial septal defect

Isolated atrial septal defect with pulmonary vascular obstructive disease — long-term follow-up and prediction of outcome after surgical correction, 1037

Atrioventricular conduction

Low-energy transvenous ablation of the canine atrioventricular conduction system with a suction electrode catheter, 394

Atrioventricular node

Beat-to-beat changes in atrioventricular nodal excitability and its modulation by concealed conduction during functional 2:1 block in man, 759

Cryosurgical treatment of atrioventricular node reentrant tachycardia, 1329

Prediction of complex atrioventricular conduction rhythms in humans with use of the atrioventricular nodal recovery curve, 1196

B**Balloon dilatation**

Balloon dilatation of porcine bioprosthetic valves in the pulmonary position, 109

Behavior

Mechanisms of behaviorally induced arrhythmias, I-48

Some central neural mechanisms governing resting and behaviorally coupled control of blood pressure, I-2

 β -Blockade

β -blockade — rational or irrational therapy for congestive heart failure? 971

The hemodynamics of β -blockade in patients undergoing abdominal aortic aneurysm repair, III-1

Bioprosthetic valves

Asynchronous primary valve failure in patients with porcine bioprosthetic aortic and mitral valves, III-141

Causes of failure and pathologic findings in surgically removed Ionescu-Shiley Standard bovine pericardial heart valve bioprostheses: emphasis on progressive structural deterioration, 618

Chemically determined mineral content of explanted porcine aortic valve bioprostheses: correlation with radiographic assessment of calcification and clinical data, 1061

Blalock-Taussig shunt

Analysis of the effects of the Blalock-Taussig shunt on ventricular function and prognosis in patients with single ventricle, III-24

The modified Blalock-Taussig shunt: analysis of adequacy and duration of palliation, III-19

Blood flow

Alterations in transmural blood flow and body surface ST segment abnormalities produced by ischemia in the circumflex and left anterior descending coronary arterial beds of the dog, 697

Analysis of flow characteristics in poststenotic regions of the human coronary artery during bypass graft surgery, 1092

Blood flow distribution within skeletal muscle during exercise in the presence of chronic heart failure: effect of milrinone, 1344

Blood velocity distribution in the human ascending aorta, 90

Diurnal changes in coronary blood flow in conscious dogs, 488

Effect of angioplasty-induced endothelial denudation compared with medial injury on regional coronary blood flow, 710

Effect of atrial natriuretic factor on transmural myocardial blood flow distribution in the dog, 705

Effect of graded coronary flow reduction on ionic, electrical, and mechanical indexes of ischemia in the pig, 1127

Influences of localized aortic valve damage on coronary artery blood flow in acute aortic regurgitation: an experimental study, 201

Inhomogeneous capillary flow and its prevention by verapamil and hydralazine in the cardiomyopathic Syrian hamster, 208

Measurement of myocardial blood flow by ultrafast computed tomography, 1262

Measurement of regional myocardial perfusion and mass by subselective hydrogen infusion and washout techniques: a validation study, 1373

Methods of measurement of myocardial blood flow in patients: a critical review, 245

Myocardial blood flow during exercise in dogs with left ventricular hypertrophy produced by aortic banding and perinephretic hypertension, 835

Preferential increase in subendocardial perfusion produced by endothelium-dependent vasodilators, 191

Skeletal muscle metabolism in patients with congestive heart failure: relation to clinical severity and blood flow, 1009

Blood pressure

The long-term effect of oral and percutaneous estradiol on plasma renin substrate and blood pressure, 753

Some central neural mechanisms governing resting and behaviorally coupled control of blood pressure, I-2

Blood rheology

Intermittent claudication, exercise, and blood rheology, 1110

Body surface mapping

Detection and localization of coronary artery disease with body surface mapping in patients with normal electrocardiograms, 1290

Spatial distribution and prognostic significance of ST segment potential determined by body surface mapping in patients with acute inferior myocardial infarction, 289

Bypass grafts

Magnetic resonance imaging to evaluate patency of aortocoronary bypass grafts, 786

C**Calcification**

Chemically determined mineral content of explanted porcine aortic valve bioprostheses: correlation with radiographic assessment of calcification and clinical data, 1061

Calcium blockers

Frequency-dependent effects of amiodarone on atrioventricular nodal

- function and slow-channel action potentials: evidence for calcium channel-blocking activity, 442
- High-dose calcium channel-blocking therapy for primary pulmonary hypertension: evidence for long-term reduction in pulmonary arterial pressure and regression of right ventricular hypertrophy, 135
- Cardiac fatigue**
Cardiac fatigue after prolonged exercise, 1206
- Cardiac tamponade**
Hormonal responses to cardiac tamponade: release of inhibition of atrial natriuretic factor despite elevation of atrial pressures, 884
- Cardiac transplantation**
Cardiac transplantation in children and adolescents, V-43
Cardiac transplantation: improved quality of survival, V-48
Changes in Doppler echocardiographic indexes of left ventricular function as potential markers of cardiac rejection, V-86
Clinical and laboratory correlates of accelerated coronary artery disease in the cardiac transplant patient, V-56
Development of coronary artery disease in cardiac transplant patients receiving immunosuppressive therapy with cyclosporine and prednisone, 827
Effect of acute human allograft rejection on left ventricular systolic torsion and diastolic recoil measured by intramyocardial markers, 998
The effect of amino acid L-glutamate on the extended preservation ex vivo of the heart for transplantation, V-65
Elevated pulmonary vascular resistance and cardiac transplantation, V-52
Frequency analysis of the surface electrocardiogram for recognition of acute rejection after orthotopic cardiac transplantation in man, 101
Noninvasive detection of human cardiac transplant rejection with indium-111 antimony (Fab) imaging, V-81
Normalization of sympathetic nervous system function after orthotopic cardiac transplant in man, V-62
Successful reversal of acute cardiac allograft rejection with OKT*3 monoclonal antibody, V-71
Time course of resolution of pulmonary hypertension and right ventricular remodeling after orthotopic cardiac transplantation, 819
- Cardiogenic shock**
Emergency coronary bypass for cardiogenic shock, V-22
- Cardiomyopathy**
Inhomogeneous capillary flow and its prevention by verapamil and hydralazine in the cardiomyopathic Syrian hamster, 208
Myocardial perfusion abnormalities in patients with hypertrophic cardiomyopathy: assessment with thallium-201 emission computed tomography, 1214
Quantitative ultrasonic tissue characterization with real-time integrated backscatter imaging in normal human subjects and in patients with dilated cardiomyopathy, 1067
Results of surgery for hypertrophic obstructive cardiomyopathy, V-104
- Cardioplegia**
Prevention of hydroxyl radical formation: a critical concept for improving cardioplegia. Protective effects of deferoxamine, V-180
Ultrastructural assessment of the infant myocardium receiving crystalloid cardioplegia, V-141
Ventricular function after atrial cardioplegia, V-129
- Cardioplegic oxygenation**
The effect of cardioplegic oxygenation on the correlation between the linearized Frank-Starling relationship and myocardial energetics in the ejecting postischemic heart, V-122
- Cardiopulmonary bypass**
Right ventricular outflow construction without cardiopulmonary bypass, III-34
- Cardiopulmonary resuscitation**
Sequence of mitral valve motion and transmitral blood flow during manual cardiopulmonary resuscitation in dogs, 363
- Cardioversion**
Prospective evaluation of a sequential pacing and high-energy bidirectional shock algorithm for transvenous cardioversion in patients with ventricular tachycardia, 601
- Central nervous system**
Results of open heart surgery in patients with recent cardiogenic embolic stroke and central nervous system dysfunction, V-109
- Chagas disease**
Long-term control of Chagas disease in Venezuela: effects on serologic findings, electrocardiographic abnormalities, and clinical outcome, 556
- Cholesterol**
Black-white differences in cholesterol levels of serum high-density lipoprotein subclasses among children: the Bogalusa Heart Study, 272
New guidelines for the treatment of high blood cholesterol in adults from the National Cholesterol Education Program: from controversy to consensus, 960
Seasonal cholesterol cycles: the Lipid Research Clinics Coronary Primary Prevention Trial placebo group, 1224
- Cholesterol and cardiovascular disease**
Current perspectives on cholesterol and cardiovascular disease. Introduction and overview, 502
Current pharmacologic treatment of elevated serum cholesterol, 529
Dietary therapy for different forms of hyperlipoproteinemia, 523
Lipoproteins and the pathogenesis of atherosclerosis, 508
New developments in lipid-lowering therapy: the role of inhibitors of hydroxymethylglutaryl coenzyme A, 534
Regulation of low-density lipoprotein receptors: implications for pathogenesis and therapy of hypercholesterolemia and atherosclerosis, 504
Review of lipid-lowering clinical trials in relation to observational epidemiologic studies, 515
- Coarctation**
Identification of risk factors for spinal cord ischemia by the use of monitoring of somatosensory evoked potentials during coarctation repair, III-14
- Cod-liver oil**
Effects of dietary supplementation with cod-liver oil on endothelium-dependent responses in porcine coronary arteries, 898
- Collateral vessels**
Clinical sequelae of thrombolysis: patient subsets, incomplete occlusion of the infarct-related artery, and coronary collaterals, II-25
The efficacy of intermittent coronary sinus occlusion in the absence of coronary artery collaterals, 667
- Computed tomography**
Measurement of myocardial blood flow by ultrafast computed tomography, 1262
Myocardial perfusion abnormalities in patients with hypertrophic cardiomyopathy: assessment with thallium-201 emission computed tomography, 1214
Quantitative determination of aortic regurgitant volumes in dogs by ultrafast computed tomography, 728
- Conduction**
Beat-to-beat changes in atrioventricular nodal excitability and its modulation by concealed conduction during functional 2:1 block in man, 759
Enhancement of procainamide-induced rate-dependent conduction slowing by elevated myocardial extracellular potassium concentration in vivo, 1380
Overdrive suppression of conduction at the canine Purkinje-muscle junction, 1388
Prediction of complex atrioventricular conduction rhythms in humans with use of the atrioventricular nodal recovery curve, 1196
- Congenital heart disease**
Abnormal endothelial factor VIII associated with pulmonary hypertension and congenital heart defects, 1043
Surgical experience with the modified Fontan procedure, III-61
Two-dimensional and pulsed Doppler echocardiography in the postoperative evaluation of total anomalous pulmonary venous connection, 298
Validation of Doppler-derived pulmonary arterial pressure in patients with patent ductus arteriosus under different hemodynamic states, 1081
- Congestive heart failure**
 β -blockade — rational or irrational therapy for congestive heart failure? 971
Clinical application of atrial natriuretic polypeptide in patients with congestive heart failure: beneficial effects on left ventricular function, 115
Double-blind crossover comparison of enoximone and placebo in patients with congestive heart failure, 1307

- Skeletal muscle metabolism in patients with congestive heart failure: relation to clinical severity and blood flow, 1009
- Contractility**
Comparative influence of load versus inotropic state on indexes of ventricular contractility: experimental and theoretical analysis based on pressure-volume relationships, 1422
Quantification of the contractile response to injury: assessment of the work-length relationship in the intact heart, 717
- Coronary artery bypass surgery**
Analysis of flow characteristics in poststenotic regions of the human coronary artery during bypass graft surgery, 1092
Comparison of multivessel coronary angioplasty with surgical revascularization with both internal mammary arteries, V-1
Does coronary artery bypass surgery restore normal maximal coronary flow reserve? The effect of diffuse atherosclerosis and focal obstructive lesions, 563
The effects of age on outcome after coronary bypass surgery, V-6
Emergency coronary bypass for cardiogenic shock, V-22
- Coronary artery disease**
Behavioral approaches to secondary prevention of coronary heart disease, I-130
Black-white differences in cholesterol levels of serum high-density lipoprotein subclasses among children: the Bogalusa Heart Study, 272
Changes in blood rheology in patients with stable angina pectoris as a result of coronary artery disease, 15
Clinical and laboratory correlates of accelerated coronary artery disease in the cardiac transplant patient, V-56
Combined percutaneous aortic valvuloplasty and transluminal coronary angioplasty in adult patients with calcific aortic stenosis and coronary artery disease, 1298
Coronary artery disease: a sociocultural perspective, I-112
Detection and localization of coronary artery disease with body surface mapping in patients with normal electrocardiograms, 1290
Development of coronary artery disease in cardiac transplant patients receiving immunosuppressive therapy with cyclosporine and prednisone, 827
Hierarchy of levels of ischemia-induced impairment in regional left ventricular systolic function in man, 768
Incidence of early tolerance to hemodynamic effects of continuous infusion of nitroglycerin in patients with coronary artery disease and heart failure, 577
Inhibition of coronary atherosclerosis by propranolol in behaviorally predisposed monkeys fed an atherogenic diet, 1364
Laser probe ablation of normal and atherosclerotic human aorta in vitro: a first thermographic and histologic analysis, 1353
Leukotriene C4- and D4-induced diffuse peripheral constriction of swine coronary artery accompanied by ST elevation on the electrocardiogram: angiographic analysis, 480
Measurement of regional myocardial perfusion and mass by subselective hydrogen infusion and washout techniques: a validation study, 1373
Predictors of efficacy of amiodarone and characteristics of recurrence of arrhythmia in patients with sustained ventricular tachycardia and coronary artery disease, 802
Primary prevention of coronary heart disease: a challenge for behavioral medicine, I-124
Psychological factors in coronary artery disease: epidemiologic evidence, I-117
Psychophysiologic factors in atherogenesis and coronary artery disease, I-41
Relation of parental history of early myocardial infarction to the level of apoprotein B in men, 266
Task Force 1: Environmental risk factors in coronary artery disease, I-139
Task Force 2: Psychological risk factors in coronary artery disease, I-145
Task Force 3: Biobehavioral mechanisms in coronary artery disease. Acute stress, I-150
Task Force 4: Biobehavioral mechanisms in coronary artery disease. Chronic stress, I-158
Task Force 5: Primary prevention of coronary artery disease, I-164
Task Force 6: Secondary prevention of coronary artery disease, I-168

- Coronary flow reserve**
Measurements of coronary flow reserve: defining pathophysiology versus making decisions about patient care, 1183
- Coronary sinus**
The efficacy of intermittent coronary sinus occlusion in the absence of coronary artery collaterals, 667
- Cryosurgery**
Cryosurgical treatment of atrioventricular node reentrant tachycardia, 1329
- Cyclosporine**
Development of coronary artery disease in cardiac transplant patients receiving immunosuppressive therapy with cyclosporine and prednisone, 827

D

- Deferoxamine**
Improvement of postischemic myocardial function and metabolism induced by administration of deferoxamine at the time of reflow: the role of iron in the pathogenesis of reperfusion injury, 906
Prevention of hydroxyl radical formation: a critical concept for improving cardioplegia. Protective effects of deferoxamine, V-180
- Defibrillation**
Improved defibrillation thresholds with large contoured epicardial electrodes and biphasic waveforms, 1176
- Dietary therapy**
Dietary therapy for different forms of hyperlipoproteinemia, 523
- Dimethylthiourea**
Attenuation of dysfunction in the postischemic 'stunned' myocardium by dimethylthiourea, 458
- Dipyridamole**
Aspirin and dipyridamole in the prevention of acute coronary thrombosis complicating coronary angioplasty, 125
The physiologic basis of dobutamine as compared with dipyridamole stress interventions in the assessment of critical coronary stenosis, 943
- Dobutamine**
The physiologic basis of dobutamine as compared with dipyridamole stress interventions in the assessment of critical coronary stenosis, 943
- Doppler imaging**
Mechanism of mitral regurgitation in patients with myocardial infarction: a study using real-time two-dimensional Doppler flow imaging and echocardiography, 777
- Doppler ultrasound**
Blood velocity distribution in the human ascending aorta, 90
- Duplex scanning**
Duplex scanning for diagnosis of aortoiliac and femoropopliteal disease: a prospective study, 1074

E

- Echocardiography**
Age-related valvular regurgitation: a study by pulsed Doppler echocardiography, 262
Changes in Doppler echocardiographic indexes of left ventricular function as potential markers of cardiac rejection, V-86
Continuous-wave Doppler velocities and gradients across fixed tunnel obstructions: studies in vitro and in vivo, 657
Determination of stroke volume and cardiac output during exercise: comparison of two-dimensional and Doppler echocardiography, Fick oximetry, and thermodilution, 539
Early postoperative changes in left ventricular chamber size, architecture, and function in aortic stenosis and aortic regurgitation and their relation to intraoperative changes in afterload: a prospective two-dimensional echocardiographic study, 77
Hemodynamics of the Mueller maneuver in man: right and left heart micromanometry and Doppler echocardiography, 1020
Immediate and early postoperative evaluation of results of cardiac surgery by transesophageal two-dimensional Doppler echocardiography, V-113
Intraoperative evaluation of mitral regurgitation by Doppler color flow mapping, III-108

- Mechanisms of increase in mitral valve area and influence of anatomic features in double-balloon, catheter balloon valvuloplasty in adults with rheumatic mitral stenosis: a Doppler and two-dimensional echocardiographic study, 628
- Mechanism of mitral regurgitation in patients with myocardial infarction: a study using real-time two-dimensional Doppler flow imaging and echocardiography, 777
- The role of intraoperative high-frequency epicardial echocardiography during coronary artery revascularization, V-33
- Two-dimensional and pulsed Doppler echocardiography in the post-operative evaluation of total anomalous pulmonary venous connection, 298
- Editorials**
- Achieving a smokefree society, 746
- β -blockade — rational or irrational therapy for congestive heart failure? 971
- Rheumatic fever: the way it was, 1190
- Elastance**
- The relationship of various measures of end-systole to left ventricular maximum time-varying elastance in man, 32
- Electrocardiography**
- Alterations in transmural blood flow and body surface ST segment abnormalities produced by ischemia in the circumflex and left anterior descending coronary arterial beds of the dog, 697
- Detection and localization of coronary artery disease with body surface mapping in patients with normal electrocardiograms, 1290
- Detection of transient myocardial ischemia by computer analysis of standard and signal-averaged high-frequency electrocardiograms in patients undergoing percutaneous transluminal coronary angioplasty, 585
- Effects of coronary occlusion on high-frequency content of the epicardial electrogram and body surface electrocardiogram, 237
- The electrocardiogram in patients undergoing thrombolysis for myocardial infarction, II-18
- Long-term control of Chagas disease in Venezuela: effects on serologic findings, electrocardiographic abnormalities, and clinical outcome, 556
- Electropharmacology**
- Electropharmacology of sotalol in patients with Wolff-Parkinson-White syndrome, 810
- Electrophysiology**
- Circus movement in the canine atrium around the tricuspid ring during experimental atrial flutter and during reentry in vitro, 1155
- Conduction over an isthmus of atrial myocardium in vivo: a possible model of Wolff-Parkinson-White syndrome, 637
- Differential electrophysiologic properties of decremental retrograde pathways in long RP' tachycardia, 21
- Effects of activation sequence and anisotropic cellular geometry on the repolarization phase of action potential of dog ventricular muscle, 226
- Effects of coronary occlusion on high-frequency content of the epicardial electrogram and body surface electrocardiogram, 237
- Effects of procainamide and N-acetylprocainamide on atrial flutter: studies in vivo and in vitro, 1397
- Electrophysiologic mechanisms underlying arrhythmias due to reperfusion of ischemic myocardium, 404
- Enhancement of procainamide-induced rate-dependent conduction slowing by elevated myocardial extracellular potassium concentration in vivo, 1380
- Frequency-dependent effects of amiodarone on atrioventricular nodal function and slow-channel action potentials: evidence for calcium-channel-blocking activity, 442
- Improved defibrillation thresholds with large contoured epicardial electrodes and biphasic waveforms, 1176
- Modification of the frequency- and voltage-dependent effects of quinidine when administered in combination with tocainide in canine Purkinje fibers, 427
- Overdrive suppression of conduction at the canine Purkinje-muscle junction, 1388
- Prediction of complex atrioventricular conduction rhythms in humans with use of the atrioventricular nodal recovery curve, 1196
- Production of denervation supersensitivity of refractoriness in noninfarcted areas apical to transmural myocardial infarction, 383
- Summation and inhibition by ultrarapid train pacing in the human ventricle, 1101
- Endocarditis**
- Comparison of single and multiple doses of prophylactic antibiotics in experimental streptococcal endocarditis, 376
- Endothelial factor VIII**
- Abnormal endothelial factor VIII associated with pulmonary hypertension and congenital heart defects, 1043
- Endothelium**
- Effect of angioplasty-induced endothelial denudation compared with medial injury on regional coronary blood flow, 710
- Effects of dietary supplementation with cod-liver oil on endothelium-dependent responses in porcine coronary arteries, 898
- Influence of laminar steady-state fluid-imposed wall shear stress on the binding, internalization, and degradation of low-density lipoproteins by cultured arterial endothelium, 648
- Preservation of endothelial cell structure and function by intracoronary perfluorochemical in a canine preparation of reperfusion, 469
- Enoximone**
- Double-blind crossover comparison of enoximone and placebo in patients with congestive heart failure, 1307
- Epicardial potentials**
- A validation of derived epicardial potential distributions by prediction of the coronary artery involved in acute myocardial infarction in humans, 1282
- Epidemiology**
- Review of lipid-lowering clinical trials in relation to observational epidemiologic studies, 515
- Estradiol**
- The long-term effect of oral and percutaneous estradiol on plasma renin substrate and blood pressure, 753
- Exercise**
- Blood flow distribution within skeletal muscle during exercise in the presence of chronic heart failure: effect of milrinone, 1344
- Cardiac fatigue after prolonged exercise, 1206
- Determination of stroke volume and cardiac output during exercise: comparison of two-dimensional and Doppler echocardiography, Fick oximetry, and thermolulution, 539
- Intermittent claudication, exercise, and blood rheology, 1110
- Myocardial blood flow during exercise in dogs with left ventricular hypertrophy produced by aortic banding and perinephretic hypertension, 835
- Exercise testing**
- Circulatory response to exercise in health, VI-3
- Determinants and detection of anaerobic threshold and consequences of exercise above it, VI-29
- Determination of aerobic capacity and the severity of chronic cardiac and circulatory failure, VI-40
- Dynamics of pulmonary gas exchange, VI-18
- Hemodynamic and neurohumoral responses to dynamic exercise: normal subjects versus patients with heart disease, VI-11
- Metabolic responses to exercise in patients with heart failure, VI-46
- Quantitative exercise testing for the cardiac patient: the value of monitoring gas exchange. Introduction, VI-1
- Safety of graded symptom-limited exercise testing in patients with congestive heart failure, VI-54
- Exercise training**
- Reversal of exertional hypotension by prolonged exercise training in selected patients with ischemic heart disease, 548
- F**
- Fast Fourier analysis**
- Frequency analysis of the surface electrocardiogram for recognition of acute rejection after orthotopic cardiac transplantation in man, 101
- Femoropopliteal disease**
- Duplex scanning for diagnosis of aortoiliac and femoropopliteal disease: a prospective study, 1074
- Fenoldopam**
- Augmentation of renal blood flow and sodium excretion in hypertensive patients during blood pressure reduction by intravenous administration of the dopamine₁ agonist fenoldopam, 1312
- Fetal physiology**
- Effects of heart rate on ventricular size, stroke volume, and output in

- the normal human fetus: a prospective Doppler echocardiographic study, 52
- Fick oximetry**
Determination of stroke volume and cardiac output during exercise: comparison of two-dimensional and Doppler echocardiography, Fick oximetry, and thermodilution, 539
- Flow reserve**
Does coronary artery bypass surgery restore normal maximal coronary flow reserve? The effect of diffuse atherosclerosis and focal obstructive lesions, 563
- Fontan operation**
Augmentation of pulmonary blood flow by a right atrial balloon pump after the Fontan operation, III-72
Childhood systemic-pulmonary shunts: subsequent suitability for Fontan operation, III-39
Elevated atrial natriuretic peptide after the Fontan procedure, III-77
Intermediate follow-up and predicted survival after the modified Fontan procedure for tricuspid atresia and double-inlet ventricle, III-67
Modifications of the Fontan operation applicable to patients with left atrioventricular valve atresia or single atrioventricular valve, III-53
Problems in the modified Fontan operation for univentricular heart of the right ventricular type, III-45
Surgical experience with the modified Fontan procedure, III-61
- Frank-Starling relationship**
The effect of cardioplegic oxygenation on the correlation between the linearized Frank-Starling relationship and myocardial energetics in the ejecting postischemic heart, V-122
- Free radicals**
Evidence of myocardial free radical injury during elective repair of tetralogy of Fallot, V-174
- Functional block**
Beat-to-beat changes in atrioventricular nodal excitability and its modulation by concealed conduction during functional 2:1 block in man, 759
- Functional border zone**
The functional border zone in conscious dogs, 929

G

- Gas exchange**
Dynamics of pulmonary gas exchange, VI-18
- L-Glutamate**
The effect of amino acid L-glutamate on the extended preservation ex vivo of the heart for transplantation, V-65

H

- HLA antigens**
HLA antigens A, B, DR, and DQ in black patients with severe chronic rheumatic heart disease, 259
- Heart beat**
The origin of the heart beat: a tale of frogs, jelly fish, and turtles, 493
- Heart disease**
Hemodynamic and neurohumoral responses to dynamic exercise: normal subjects versus patients with heart disease, VI-11
- Heart failure**
Blood flow distribution within skeletal muscle during exercise in the presence of chronic heart failure: effect of milrinone, 1344
Incidence of early tolerance to hemodynamic effects of continuous infusion of nitroglycerin in patients with coronary artery disease and heart failure, 577
Metabolic responses to exercise in patients with heart failure, VI-46
Safety of graded symptom-limited exercise testing in patients with congestive heart failure, VI-54
- Heart rate**
Effects of heart rate on ventricular size, stroke volume, and output in the normal human fetus: a prospective Doppler echocardiographic study, 52
- Hemodynamics**
Determination of stroke volume and cardiac output during exercise: comparison of two-dimensional and Doppler echocardiography, Fick oximetry, and thermodilution, 539
Incidence of early tolerance to hemodynamic effects of continuous

- infusion of nitroglycerin in patients with coronary artery disease and heart failure, 577
- Heparin**
Coagulation responses to heparin in the ischemic limb: assessment of thrombin and platelet activation during vascular surgery, III-8
- Hormonal response**
Hormonal responses to cardiac tamponade: release of inhibition of atrial natriuretic factor despite elevation of atrial pressures, 884
- Hydralazine**
Inhomogenous capillary flow and its prevention by verapamil and hydralazine in the cardiomyopathic Syrian hamster, 208
- Hydrogen**
Measurement of regional myocardial perfusion and mass by subselective hydrogen infusion and washout techniques: a validation study, 1373
- Hydroxyl radicals**
Prevention of hydroxyl radical formation: a critical concept for improving cardioplegia. Protective effects of deferoxamine, V-180
- Hydroxymethylglutaryl coenzyme A**
New developments in lipid-lowering therapy: the role of inhibitors of hydroxymethylglutaryl coenzyme A, 534
- Hypercholesterolemia**
Efficacy of platelet depletion in counteracting the detrimental effect of acute hypercholesterolemia on infarct size and the no-reflow phenomenon in rabbits undergoing coronary artery occlusion-reperfusion, 173
Regulation of low-density lipoprotein receptors: implications for pathogenesis and therapy of hypercholesterolemia and atherosclerosis, 504
- Hyperlipidemia**
Seasonal cholesterol cycles: the Lipid Research Clinics Coronary Primary Prevention Trial placebo group, 1224
- Hyperlipoproteinemia**
Dietary therapy for different forms of hyperlipoproteinemia, 523
- Hypertension**
Augmentation of renal blood flow and sodium excretion in hypertensive patients during blood pressure reduction by intravenous administration of the dopamine, agonist fenoldopam, 1312
Psychosocial and central nervous influences in primary hypertension, I-10
Psychosocial precursors of hypertension: experimental evidence, I-67
Psychosocial precursors of hypertension: a review of the epidemiologic evidence, I-60
Strategies for the evaluation and treatment of hypertension and some implications of blood pressure variability, I-77
Task Force 1: Psychosocial factors in hypertension, I-84
Task Force 2: Psychophysiologic factors in hypertension, I-89
Task Force 3: Behavioral mechanisms in hypertension, I-95
Task Force 4: Behavioral consequences of hypertension and antihypertensive therapy, I-101
Task Force 5: Nonpharmacologic approaches to treatment of hypertension, I-104
Time course of regression of left ventricular hypertrophy in hypertensive patients treated with atenolol, 254
- Hypertrophic cardiomyopathy**
Myocardial perfusion abnormalities in patients with hypertrophic cardiomyopathy: assessment with thallium-201 emission computed tomography, 1214
Results of surgery for hypertrophic obstructive cardiomyopathy, V-104
- Hypertrophy**
Time course of regression of left ventricular hypertrophy in hypertensive patients treated with atenolol, 254
- Hypotension**
Reversal of exertional hypotension by prolonged exercise training in selected patients with ischemic heart disease, 548

I

- Immunosuppressive therapy**
Development of coronary artery disease in cardiac transplant patients receiving immunosuppressive therapy with cyclosporine and prednisone, 827

Infarct size

- Beneficial effects of timolol on infarct size and late ventricular tachycardia in patients with acute myocardial infarction, 610
- Oxypurinol limits myocardial stunning but does not reduce infarct size after reperfusion, 678

Inotropic state

- Inconsistency of the slope and the volume intercept of the end-systolic pressure-volume relationship as individual indexes of inotropic state in conscious dogs. Presentation of an index combining both variables, 1115

Inotropic stimulation

- The effect of inotropic stimulation on normal and ischemic myocardium after coronary occlusion, 163

Intermittent claudication

- Intermittent claudication, exercise, and blood rheology, 1110

Ionescu-Shiley valve

- Causes of failure and pathologic findings in surgically removed Ionescu-Shiley Standard bovine pericardial heart valve bioprostheses: emphasis on progressive structural deterioration, 618

Iron

- Improvement of postschismic myocardial function and metabolism induced by administration of deferoxamine at the time of reflow: the role of iron in the pathogenesis of reperfusion injury, 906

Ischemia

- Alterations in transmural blood flow and body surface ST segment abnormalities produced by ischemia in the circumflex and left anterior descending coronary arterial beds of the dog, 697
- Attenuation of dysfunction in the postschismic 'stunned' myocardium by dimethylthiourea, 458
- Balloon-expandable intracoronary stents in the adult dog, 450
- Delineation of myocardial oxygen utilization with carbon-11-labeled acetate, 687
- Detection of transient myocardial ischemia by computer analysis of standard and signal-averaged high-frequency electrocardiograms in patients undergoing percutaneous transluminal coronary angioplasty, 585
- Effect of graded coronary flow reduction on ionic, electrical, and mechanical indexes of ischemia in the pig, 1127
- The effect of inotropic stimulation on normal and ischemic myocardium after coronary occlusion, 163
- Effects of nifedipine on diastolic function during brief periods of flow-limiting ischemia in the conscious dog, 1409
- Effects of pacing-induced ischemia on early left ventricular filling and regional myocardial dynamics and their modification by nifedipine, 1232
- The functional border zone in conscious dogs, 929
- Hierarchy of levels of ischemia-induced impairment in regional left ventricular systolic function in man, 768
- Preservation of endothelial cell structure and function by intracoronary perfluorochemical in a canine preparation of reperfusion, 469
- Regional effects of verapamil on recovery of excitability and conduction time in experimental ischemia, 1146
- Relative vulnerability of neonatal and adult hearts to ischemic injury, V-156
- Resistance of neonatal myocardium to injury during normothermic and hypothermic ischemic arrest and reperfusion, V-150
- Salutary action of nicorandil, a new antianginal drug, on myocardial metabolism during ischemia and on postschismic function in a canine preparation of brief, repetitive coronary artery occlusions: comparison with isosorbide dinitrate, 916
- Why are newborn hearts vulnerable to global ischemia? The lactate hypothesis, V-146

Ischemic heart disease

- Reversal of exertional hypotension by prolonged exercise training in selected patients with ischemic heart disease, 548
- Secular decline in death rates due to ischemic heart disease in Mexican Americans and non-Hispanic whites in Texas, 1970-1980, 1245

Isosorbide dinitrate

- Salutary action of nicorandil, a new antianginal drug, on myocardial metabolism during ischemia and on postschismic function in a canine preparation of brief, repetitive coronary artery occlusions: comparison with isosorbide dinitrate, 916

Isovolumic relaxation

- Load independence of the rate of isovolumic relaxation in man, 1274

J**Jones, T. Duckett, Memorial Lecture**

- T. Duckett Jones and rheumatic fever in 1986. T. Duckett Jones Memorial Lecture, 963

L**Lactate**

- Why are newborn hearts vulnerable to global ischemia? The lactate hypothesis, V-146

Laser ablation

- The cellular electrophysiologic changes induced by ablation: comparison between argon laser photoablation and high-energy electrical ablation, 217
- Laser probe ablation of normal and atherosclerotic human aorta in vitro: a first thermographic and histologic analysis, 1353
- Neodymium:YAG laser photocoagulation: a successful new map-guided technique for the intraoperative ablation of ventricular tachycardia, 1319

Left ventricular hypertrophy

- Myocardial blood flow during exercise in dogs with left ventricular hypertrophy produced by aortic banding and perinephritic hypertension, 835

Leukotrienes

- Leukotriene C₄- and D₄-induced diffuse peripheral constriction of swine coronary artery accompanied by ST elevation on the electrocardiogram: angiographic analysis, 480

Lipoproteins

- Black-white differences in cholesterol levels of serum high-density lipoprotein subclasses among children: the Bogalusa Heart Study, 272
- Influence of laminar steady-state fluid-imposed wall shear stress on the binding, internalization, and degradation of low-density lipoproteins by cultured arterial endothelium, 648
- Lipoproteins and the pathogenesis of atherosclerosis, 508
- Regulation of low-density lipoprotein receptors: implications for pathogenesis and therapy of hypercholesterolemia and atherosclerosis, 504

M**Magnetic resonance imaging**

- Magnetic resonance imaging to evaluate patency of aortocoronary bypass grafts, 786

Mexican Americans

- Secular decline in death rates due to ischemic heart disease in Mexican Americans and non-Hispanic whites in Texas, 1970-1980, 1245

Milrinone

- Blood flow distribution within skeletal muscle during exercise in the presence of chronic heart failure: effect of milrinone, 1344

Mitral commissurotomy

- Repeat mitral commissurotomy: long-term results, III-97

Mitral disease

- Surgical experience with reparative techniques in patients with congenital mitral valvular anomalies, III-117

Mitral regurgitation

- Intraoperative evaluation of mitral regurgitation by Doppler color flow mapping, III-108
- Mechanism of mitral regurgitation in patients with myocardial infarction: a study using real-time two-dimensional Doppler flow imaging and echocardiography, 777
- The relationship of afterload to ejection performance in chronic mitral regurgitation, 59

Mitral stenosis

- Mechanisms of increase in mitral valve area and influence of anatomic features in double-balloon, catheter balloon valvuloplasty in adults with rheumatic mitral stenosis: a Doppler and two-dimensional echocardiographic study, 628

- Transseptal pressure gradient and diastolic ventricular septal motion in patients with mitral stenosis, 974
- Monoclonal antibody**
Successful reversal of acute cardiac allograft rejection with OKT*3 monoclonal antibody, V-71
- Mortality**
In-hospital mortality rates from acute myocardial infarction by race in U.S. hospitals: findings from the National Hospital Discharge Survey, 280
Secular decline in death rates due to ischemic heart disease in Mexican Americans and non-Hispanic whites in Texas, 1970-1980, 1245
- Mueller maneuver**
Hemodynamics of the Mueller maneuver in man: right and left heart micromanometry and Doppler echocardiography, 1020
- Myocardial infarction**
Acute myocardial infarction: thrombolysis and angioplasty. Introduction, II-1
Acute myocardial infarction: thrombolysis and angioplasty. Workshop conclusions, II-88
Alterations in endocardial activation of the canine papillary muscle early and late after myocardial infarction, 860
Clinical sequelae of thrombolysis: patient subsets, incomplete occlusion of the infarct-related artery, and coronary collaterals, II-25
A comparison of methods for limiting myocardial infarct expansion during acute reperfusion — primary role of unloading, V-28
Coronary angioplasty as therapy for acute myocardial infarction: University of Michigan experience, II-79
The electrocardiogram in patients undergoing thrombolysis for myocardial infarction, II-18
The GISSI Study: further analysis. Gruppo Italiano per lo Studio della Streptokinasi nell'Infarto Miocardio, II-52
In-hospital mortality rates from acute myocardial infarction by race in U.S. hospitals: findings from the National Hospital Discharge Survey, 280
Intracoronary thrombolysis in patients with acute myocardial infarction: The Netherlands Randomized Trial and current status, II-63
Left ventricular end-systolic volume as the major determinant of survival after recovery from myocardial infarction, 44
Measurement of infarct size and percentage myocardium infarcted in a dog preparation with single photon-emission computed tomography, thallium-201, and indium 111-monoclonal antimyosin Fab, 181
Mechanism of mitral regurgitation in patients with myocardial infarction: a study using real-time two-dimensional Doppler flow imaging and echocardiography, 777
New thrombolytic drugs in acute myocardial infarction: theoretical and practical considerations, II-31
The path to myocardial salvage by thrombolytic therapy, II-2
Pharmacologic therapy: tissue-type plasminogen activator, II-39
Production of denervation supersensitivity of refractoriness in noninfarcted areas apical to transmural myocardial infarction, 383
Quantitative analysis of infarct size, contraction band necrosis, and coagulation necrosis in human autopsied hearts with acute myocardial infarction after treatment with selective intracoronary thrombolysis, 981
Quantitative relationship between left ventricular function and serum cardiac myosin light chain I levels after coronary reperfusion in patients with acute myocardial infarction, 1251
Radionuclide methods for evaluating the results of thrombolytic therapy, II-8
The rapid evolution of myocardial infarction in an end-artery preparation, V-39
Reinfarction, recurrent angina, and reocclusion after thrombolytic therapy, II-57
Relation of parental history of early myocardial infarction to the level of apoprotein B in men, 266
Risk of death from recurrent ischemic events after intravenous streptokinase in acute myocardial infarction: results from the Intravenous Streptokinase in Myocardial Infarction (ISAM) Study, II-44
Spatial distribution and prognostic significance of ST segment potential determined by body surface mapping in patients with acute inferior myocardial infarction, 289
Surgical revascularization during acute evolving myocardial infarction, III-146
- Thrombolysis in Myocardial Infarction (TIMI) Trial, Phase I: a comparison between intravenous tissue plasminogen activator and intravenous streptokinase, 142
A validation of derived epicardial potential distributions by prediction of the coronary artery involved in acute myocardial infarction in humans, 1282
- Myocardial perfusion**
Measurement of regional myocardial perfusion and mass by subselective hydrogen infusion and washout techniques: a validation study, 1373
- Myocardial protection**
Autologous blood perfusion for myocardial protection during coronary angioplasty: a feasibility study, 312
- Myocardial stiffness**
The development of the entire end-systolic pressure-volume and ejection fraction-afterload relations: a new concept of systolic myocardial stiffness, 343
- Myocarditis**
Indium 111-monoclonal antimyosin antibody imaging in the diagnosis of acute myocarditis, 306
- Myosin**
Quantitative relationship between left ventricular function and serum cardiac myosin light chain I levels after coronary reperfusion in patients with acute myocardial infarction, 1251
- N**
- National Cholesterol Education Program**
New guidelines for the treatment of high blood cholesterol in adults from the National Cholesterol Education Program: from controversy to consensus, 960
- Necrosis**
Quantitative analysis of infarct size, contraction band necrosis, and coagulation necrosis in human autopsied hearts with acute myocardial infarction after treatment with selective intracoronary thrombolysis, 981
- Nicorandil**
Salutary action of nicorandil, a new antianginal drug, on myocardial metabolism during ischemia and on posts ischemic function in a canine preparation of brief, repetitive coronary artery occlusions: comparison with isosorbide dinitrate, 916
- Nifedipine**
Effects of nifedipine on diastolic function during brief periods of flow-limiting ischemia in the conscious dog, 1409
Effects of pacing-induced ischemia on early left ventricular filling and regional myocardial dynamics and their modification by nifedipine, 1232
- Nitrate**
Nitrate tolerance: the lack of effect of *N*-acetylcysteine, 572
- Nitroglycerin**
Incidence of early tolerance to hemodynamic effects of continuous infusion of nitroglycerin in patients with coronary artery disease and heart failure, 577
- Nitroprusside**
Modulation of vascular capacitance by angiotensin and nitroprusside: a mechanism of changes in pericardial pressure, 875
- No-reflow phenomenon**
Efficacy of platelet depletion in counteracting the detrimental effect of acute hypercholesterolemia on infarct size and the no-reflow phenomenon in rabbits undergoing coronary artery occlusion-reperfusion, 173
Reduction of reperfusion injury in the canine preparation by intracoronary adenosine: importance of the endothelium and the no-reflow phenomenon, 1135
- Nuclear cardiology**
Radionuclide methods for evaluating the results of thrombolytic therapy, II-8
- O**
- Oxygen utilization**
Delineation of myocardial oxygen utilization with carbon-11-labeled acetate, 687

Oxypurinol

Oxypurinol limits myocardial stunning but does not reduce infarct size after reperfusion, 678

P**Pacing**

Prehospital trial of emergency transcutaneous cardiac pacing, 1337
Prevention of ventricular tachycardia induction during right ventricular programmed stimulation by high current strength pacing at the site of origin, 332

Prospective evaluation of a sequential pacing and high-energy bidirectional shock algorithm for transvenous cardioversion in patients with ventricular tachycardia, 601

Summation and inhibition by ultrarapid train pacing in the human ventricle, 1101

Papillary muscle

Alterations in endocardial activation of the canine papillary muscle early and late after myocardial infarction, 860

Patent ductus arteriosus

Validation of Doppler-derived pulmonary arterial pressure in patients with patent ductus arteriosus under different hemodynamic states, 1081

Pediatric cardiology

Cardiac transplantation in children and adolescents, V-43

Left ventricular mechanics in the normal newborn, 1029

The mechanism of myocardial reperfusion injury in neonates, V-161
Relative vulnerability of neonatal and adult hearts to ischemic injury, V-156

Resistance of neonatal myocardium to injury during normothermic and hypothermic ischemic arrest and reperfusion, V-150

Ultrastructural assessment of the infant myocardium receiving crystalloid cardioplegia, V-141

Why are newborn hearts vulnerable to global ischemia? The lactate hypothesis, V-146

Perfluorochemical

Preservation of endothelial cell structure and function by intracoronary perfluorochemical in a canine preparation of reperfusion, 469

Pericardial disease

Pericardial effusion causes interstitial pulmonary edema in dogs, 843
Right heart pressure does not equal pericardial pressure in the potassium chloride-arrested heart in situ, 357

Pericardial pressure

Modulation of vascular capacitance by angiotensin and nitroprusside: a mechanism of changes in pericardial pressure, 875

Perspectives

Jones, T. Duckett, and rheumatic fever in 1986. T. Duckett Jones Memorial Lecture, 963

Measurements of coronary flow reserve: defining pathophysiology versus making decisions about patient care, 1183

Methods of measurement of myocardial blood flow in patients: a critical review, 245

The paradox of adrenergic coronary vasoconstriction, 737

Pharmacologic treatment

Current pharmacologic treatment of elevated serum cholesterol, 529
New developments in lipid-lowering therapy: the role of inhibitors of hydroxymethylglutaryl coenzyme A, 534

Plasma renin

The long-term effect of oral and percutaneous estradiol on plasma renin substrate and blood pressure, 753

Platelets

Biochemical evidence of a chronic abnormality in platelet and vascular function in healthy individuals who smoke cigarettes, 6
Coagulation responses to heparin in the ischemic limb: assessment of thrombin and platelet activation during vascular surgery, III-8

Efficacy of platelet depletion in counteracting the detrimental effect of acute hypercholesterolemia on infarct size and the no-reflow phenomenon in rabbits undergoing coronary artery occlusion-reperfusion, 173

Potassium

Enhancement of procainamide-induced rate-dependent conduction slowing by elevated myocardial extracellular potassium concentration in vivo, 1380

Prednisone

Development of coronary artery disease in cardiac transplant patients receiving immunosuppressive therapy with cyclosporine and prednisone, 827

Preludes and Progress

The origin of the heart beat: a tale of frogs, jelly fish, and turtles, 493

Pressure gradient

The transtentotic pressure gradient trend as a predictor of acute complications after percutaneous transluminal coronary angioplasty, 792

Pressure-volume relationship

Comparative influence of load versus inotropic state on indexes of ventricular contractility: experimental and theoretical analysis based on pressure-volume relationships, 1422

Inconsistency of the slope and the volume intercept of the end-systolic pressure-volume relationship as individual indexes of inotropic state in conscious dogs. Presentation of an index combining both variables, 1115

Procainamide

Effects of procainamide and *N*-acetylprocainamide on atrial flutter: studies in vivo and in vitro, 1397

Enhancement of procainamide-induced rate-dependent conduction slowing by elevated myocardial extracellular potassium concentration in vivo, 1380

Prognosis

Long-term prognosis of patients with variant angina, 990

Programmed stimulation

The management of patients with life-threatening ventricular tachyarrhythmias: programmed stimulation or Holter monitoring (either or both)? I

Prevention of ventricular tachycardia induction during right ventricular programmed stimulation by high current strength pacing at the site of origin, 332

Propranolol

Inhibition of coronary atherosclerosis by propranolol in behaviorally predisposed monkeys fed an atherogenic diet, 1364

Prostaglandin

Cooperative mediation by serotonin S_2 and thromboxane A_2 /prostaglandin H_2 receptor activation of cyclic flow variations in dogs with severe coronary artery stenosis, 952

Prosthetic valves

Balloon dilatation of porcine bioprosthetic valves in the pulmonary position, 109

Pulmonary edema

Pericardial effusion causes interstitial pulmonary edema in dogs, 843

Pulmonary hypertension

Abnormal endothelial factor VIII associated with pulmonary hypertension and congenital heart defects, 1043

Changes in pericardial surface pressure during pulmonary hypertensive crises after cardiac surgery, III-93

High-dose calcium channel-blocking therapy for primary pulmonary hypertension: evidence for long-term reduction in pulmonary arterial pressure and regression of right ventricular hypertrophy, 135

Time course of resolution of pulmonary hypertension and right ventricular remodeling after orthotopic cardiac transplantation, 819

Pulmonary vascular obstruction

Isolated atrial septal defect with pulmonary vascular obstructive disease — long-term follow-up and prediction of outcome after surgical correction, 1037

Q**Quinidine**

The hemodynamic effects of sotalol and quinidine: analysis by use of exercise-gated radionuclide angiography, 324

Modification of the frequency- and voltage-dependent effects of quinidine when administered in combination with tocainide in canine Purkinje fibers, 427

R**Reentry**

Circus movement in the canine atrium around the tricuspid ring during experimental atrial flutter and during reentry in vitro, 1155

Rejection

- Changes in Doppler echocardiographic indexes of left ventricular function as potential markers of cardiac rejection, V-86
- Effect of acute human allograft rejection on left ventricular systolic torsion and diastolic recoil measured by intramyocardial markers, 998
- Frequency analysis of the surface electrocardiogram for recognition of acute rejection after orthotopic cardiac transplantation in man, 101
- Noninvasive detection of human cardiac transplant rejection with indium-111 antimyosin (Fab) imaging, V-81
- Successful reversal of acute cardiac allograft rejection with OKT*3 monoclonal antibody, V-71

Renal blood flow

- Augmentation of renal blood flow and sodium excretion in hypertensive patients during blood pressure reduction by intravenous administration of the dopamine₁ agonist fenoldopam, 1312

Reperfusion

- A comparison of methods for limiting myocardial infarct expansion during acute reperfusion — primary role of unloading, V-28
- Electrophysiologic mechanisms underlying arrhythmias due to reperfusion of ischemic myocardium, 404
- Improvement of postischemic myocardial function and metabolism induced by administration of deferoxamine at the time of reflow: the role of iron in the pathogenesis of reperfusion injury, 906
- The mechanism of myocardial reperfusion injury in neonates, V-161
- Oxypurinol limits myocardial stunning but does not reduce infarct size after reperfusion, 678
- Preservation of endothelial cell structure and function by intracoronary perfluorochemical in a canine preparation of reperfusion injury, 469
- Quantitative relationship between left ventricular function and serum cardiac myosin light chain I levels after coronary reperfusion in patients with acute myocardial infarction, 1251
- Resistance of neonatal myocardium to injury during normothermic and hypothermic ischemic arrest and reperfusion, V-150

Reperfusion injury

- Reduction of reperfusion injury in the canine preparation by intracoronary adenosine: importance of the endothelium and the no-reflow phenomenon, 1135

Revascularization

- The changing survival benefits of coronary revascularization over time, V-13
- The role of intraoperative high-frequency epicardial echocardiography during coronary artery revascularization, V-33
- Surgical revascularization during acute evolving myocardial infarction, III-146

Rheology

- Changes in blood rheology in patients with stable angina pectoris as a result of coronary artery disease, 15

Rheumatic fever

- Jones, T. Duckett, and rheumatic fever in 1986. T. Duckett Jones Memorial Lecture, 963
- Rheumatic fever: the way it was, 1190

Rheumatic heart disease

- HLA antigens A, B, DR, and DQ in black patients with severe chronic rheumatic heart disease, 259

Right ventricular hypertrophy

- Impaired left ventricular postischemic function and metabolism in chronic right ventricular hypertrophy, V-168

Right ventricular outflow

- Right ventricular outflow construction without cardiopulmonary bypass, III-34

S**SPECT**

- Measurement of infarct size and percentage myocardium infarcted in a dog preparation with single photon-emission computed tomography, thallium-201, and indium 111-monochemical antimyosin Fab, 181

Serology

- Long-term control of Chagas disease in Venezuela: effects on serologic findings, electrocardiographic abnormalities, and clinical outcome, 556

Serotonin

- Cooperative mediation by serotonin S₂ and thromboxane A₂/prostaglandin H₂ receptor activation of cyclic flow variations in dogs with severe coronary artery stenosis, 952

Single ventricle

- Analysis of the effects of the Blalock-Taussig shunt on ventricular function and prognosis in patients with single ventricle, III-24
- Surgical management of subaortic stenosis in patients with single ventricle and transposition of the great vessels, III-29

Skeletal muscle

- Skeletal muscle metabolism in patients with congestive heart failure: relation to clinical severity and blood flow, 1009

Skeletal muscle ventricles

- Power output of skeletal muscle ventricles in circulation: short-term studies, 155

Smoking

- Achieving a smokefree society, 746
- Biochemical evidence of a chronic abnormality in platelet and vascular function in healthy individuals who smoke cigarettes, 6

Sodium

- Augmentation of renal blood flow and sodium excretion in hypertensive patients during blood pressure reduction by intravenous administration of the dopamine₁ agonist fenoldopam, 1312

Sotalol

- Electropharmacology of sotalol in patients with Wolff-Parkinson-White syndrome, 810
- The hemodynamic effects of sotalol and quinidine: analysis by use of exercise-gated radionuclide angiography, 324

Special report

- Guidelines for coronary angiography. A report of the American College of Cardiology/American Heart Association Task Force on Assessment of Diagnostic and Therapeutic Cardiovascular Procedures (Subcommittee on Coronary Angiography), 963A

Spinal cord ischemia

- Identification of risk factors for spinal cord ischemia by the use of monitoring of somatosensory evoked potentials during coarctation repair, III-14

Stenosis

- Cooperative mediation by serotonin S₂ and thromboxane A₂/prostaglandin H₂ receptor activation of cyclic flow variations in dogs with severe coronary artery stenosis, 952
- The physiologic basis of dobutamine as compared with dipyridazole stress interventions in the assessment of critical coronary stenosis, 943

Streptococcal endocarditis

- Comparison of single and multiple doses of prophylactic antibiotics in experimental streptococcal endocarditis, 376

Streptokinase

- The GISSI Study: further analysis. Gruppo Italiano per lo Studio della Streptokinasi nell'Infarto Miocardio, II-52
- Risk of death from recurrent ischemic events after intravenous streptokinase in acute myocardial infarction: results from the Intravenous Streptokinase in Myocardial Infarction (ISAM) Study, II-44
- Thrombolysis in Myocardial Infarction (TIMI) Trial, Phase I: a comparison between intravenous tissue plasminogen activator and intravenous streptokinase, 142

Stroke

- Results of open heart surgery in patients with recent cardiogenic embolic stroke and central nervous system dysfunction, V-109

Stunned myocardium

- Attenuation of dysfunction in the postischemic 'stunned' myocardium by dimethylthiourea, 458

Subaortic stenosis

- Surgical management of subaortic stenosis in patients with single ventricle and transposition of the great vessels, III-29

Sudden cardiac death

- Environmental and psychosocial determinants of sudden death, I-177
- Prehospital trial of emergency transcutaneous cardiac pacing, 1337
- Sudden cardiac death: biobehavioral perspective, I-186
- Task Force 1: Sudden cardiac death. Stress and cardiac arrhythmias, I-198
- Task Force 2: Sudden cardiac death. Neural-cardiac interactions, I-202
- Task Force 3: Sudden cardiac death. Neural-chemical interactions, I-208

Task Force 4: Sudden cardiac death. Nonpharmacologic interventions, I-215

Surgery

Immediate and early postoperative evaluation of results of cardiac surgery by transesophageal two-dimensional Doppler echocardiography, V-113

Isolated atrial septal defect with pulmonary vascular obstructive disease — long-term follow-up and prediction of outcome after surgical correction, 1037

Results of open heart surgery in patients with recent cardiogenic embolic stroke and central nervous system dysfunction, V-109

Survival

Cardiac transplantation: improved quality of survival, V-48

The changing survival benefits of coronary revascularization over time, V-13

Left ventricular end-systolic volume as the major determinant of survival after recovery from myocardial infarction, 44

Sympathetic nervous system

Normalization of sympathetic nervous system function after orthotopic cardiac transplant in man, V-62

Systemic-pulmonary shunts

Childhood systemic-pulmonary shunts: subsequent suitability for Fontan operation, III-39

Systolic function

Hierarchy of levels of ischemia-induced impairment in regional left ventricular systolic function in man, 768

T

Tachycardia

Differential electrophysiologic properties of decremental retrograde pathways in long RP' tachycardia, 21

Tetralogy of Fallot

Evidence of myocardial free radical injury during elective repair of tetralogy of Fallot, V-174

Thermodilution

Determination of stroke volume and cardiac output during exercise: comparison of two-dimensional and Doppler echocardiography, Fick oximetry, and thermodilution, 539

Thrombin

Coagulation responses to heparin in the ischemic limb: assessment of thrombin and platelet activation during vascular surgery, III-8

Thromboembolism

Long-term performance of the St. Jude Medical valve: low incidence of thromboembolism and hemorrhagic complications with modest doses of warfarin, III-132

Thrombolysis

Clinical sequelae of thrombolysis: patient subsets, incomplete occlusion of the infarct-related artery, and coronary collaterals, II-25

The electrocardiogram in patients undergoing thrombolysis for myocardial infarction, II-18

The GISSI Study: further analysis. Gruppo Italiano per lo Studio della Streptokinasi nell'Infarto Miocardio, II-52

Intracoronary thrombolysis in patients with acute myocardial infarction: The Netherlands Randomized Trial and current status, II-63

New thrombolytic drugs in acute myocardial infarction: theoretical and practical considerations, II-31

The path to myocardial salvage by thrombolytic therapy, II-2

Pharmacologic therapy: tissue-type plasminogen activator, II-39

Quantitative analysis of infarct size, contraction band necrosis, and coagulation necrosis in human autopsied hearts with acute myocardial infarction after treatment with selective intracoronary thrombolysis, 981

Radionuclide methods for evaluating the results of thrombolytic therapy, II-8

Reinfarction, recurrent angina, and reocclusion after thrombolytic therapy, II-57

Risk of death from recurrent ischemic events after intravenous streptokinase in acute myocardial infarction: results from the Intravenous Streptokinase in Myocardial Infarction (ISAM) Study, II-44

Thrombolysis in Myocardial Infarction (TIMI) Trial, Phase I: a comparison between intravenous tissue plasminogen activator and intravenous streptokinase, 142

Thrombosis

Aspirin and dipyridamole in the prevention of acute coronary thrombosis complicating coronary angioplasty, 125

Thromboxane

Cooperative mediation by serotonin S_2 and thromboxane A_2 /prostaglandin H_2 receptor activation of cyclic flow variations in dogs with severe coronary artery stenosis, 952

Timolol

Beneficial effects of timolol on infarct size and late ventricular tachycardia in patients with acute myocardial infarction, 610

Tissue characterization

Quantitative ultrasonic tissue characterization with real-time integrated backscatter imaging in normal human subjects and in patients with dilated cardiomyopathy, 1067

Two-dimensional ultrasonic tissue characterization: backscatter power, endocardial wall motion, and their phase relationship for normal, ischemic, and infarcted myocardium, 850

Tissue-type plasminogen activator

Pharmacologic therapy: tissue-type plasminogen activator, II-39

Thrombolysis in Myocardial Infarction (TIMI) Trial, Phase I: a comparison between intravenous tissue plasminogen activator and intravenous streptokinase, 142

Tocainide

Modification of the frequency- and voltage-dependent effects of quinidine when administered in combination with tocainide in canine Purkinje fibers, 427

Total anomalous pulmonary venous connection

Infant total anomalous pulmonary venous connection: factors influencing timing of presentation and operative outcome, III-83

Transcutaneous cardiac pacing

Prehospital trial of emergency transcutaneous cardiac pacing, 1337

Transposition of the great arteries

Surgical management of subaortic stenosis in patients with single ventricle and transposition of the great vessels, III-29

Tricuspid atresia

Intermediate follow-up and predicted survival after the modified Fontan procedure for tricuspid atresia and double-inlet ventricle, III-67

Tunnel obstructions

Continuous-wave Doppler velocities and gradients across fixed tunnel obstructions: studies in vitro and in vivo, 657

U

Ultrasound

Duplex scanning for diagnosis of aortoiliac and femoropopliteal disease: a prospective study, 1074

Quantitative ultrasonic tissue characterization with real-time integrated backscatter imaging in normal human subjects and in patients with dilated cardiomyopathy, 1067

Two-dimensional ultrasonic tissue characterization: backscatter power, endocardial wall motion, and their phase relationship for normal, ischemic, and infarcted myocardium, 850

Validation of Doppler-derived pulmonary arterial pressure in patients with patent ductus arteriosus under different hemodynamic states, 1081

Univentricular heart

Problems in the modified Fontan operation for univentricular heart of the right ventricular type, III-45

V

Valve replacement

Aortic valve replacement with a small prosthesis, III-123

Asynchronous primary valve failure in patients with porcine bioprosthetic aortic and mitral valves, III-141

Long-term performance of the St. Jude Medical valve: low incidence of thromboembolism and hemorrhagic complications with modest doses of warfarin, III-132

Strut fracture and other events after valve replacement with the 60 degree convexoconcave Björk-Shiley prosthesis, III-137

Valvular atresia

Modifications of the Fontan operation applicable to patients with left atrioventricular valve atresia or single atrioventricular valve, III-53

SUBJECT INDEX

Valvular heart disease

- Age-related valvular regurgitation: a study by pulsed Doppler echocardiography, 262
- Balloon dilatation of porcine bioprosthetic valves in the pulmonary position, 109
- Chemically determined mineral content of explanted porcine aortic valve bioprostheses: correlation with radiographic assessment of calcification and clinical data, 1061
- Early postoperative changes in left ventricular chamber size, architecture, and function in aortic stenosis and aortic regurgitation and their relation to intraoperative changes in afterload: a prospective two-dimensional echocardiographic study, 77
- Postinflammatory mitral and aortic valve prolapse: a clinical and pathologic study, 68
- Reconstruction of the mitral annulus, III-102
- Transseptal pressure gradient and diastolic ventricular septal motion in patients with mitral stenosis, 974

Valvuloplasty

- Combined percutaneous aortic valvuloplasty and transluminal coronary angioplasty in adult patients with calcific aortic stenosis and coronary artery disease, 1298
- Mechanisms of increase in mitral valve area and influence of anatomic features in double-balloon, catheter balloon valvuloplasty in adults with rheumatic mitral stenosis: a Doppler and two-dimensional echocardiographic study, 628

Vascular surgery

- Coagulation responses to heparin in the ischemic limb: assessment of thrombin and platelet activation during vascular surgery, III-8

Vasoconstriction

- The paradox of adrenergic coronary vasoconstriction, 737

Ventricular fibrillation

- Determinants of induced sustained arrhythmias in survivors of out-of-hospital ventricular fibrillation, 1053

Ventricular function

- Clinical application of atrial natriuretic polypeptide in patients with congestive heart failure: beneficial effects on left ventricular function, 115
- Comparative influence of load versus inotropic state on indexes of ventricular contractility: experimental and theoretical analysis based on pressure-volume relationships, 1422
- Effects of heart rate on ventricular size, stroke volume, and output in the normal human fetus: a prospective Doppler echocardiographic study, 52
- Effects of nifedipine on diastolic function during brief periods of flow-limiting ischemia in the conscious dog, 1409
- Effects of pacing-induced ischemia on early left ventricular filling and regional myocardial dynamics and their modification by nifedipine, 1232
- Impaired left ventricular posts ischemic function and metabolism in chronic right ventricular hypertrophy, V-168
- Left ventricular end-systolic volume as the major determinant of survival after recovery from myocardial infarction, 44
- Left ventricular mechanics in the normal newborn, 1029

[Valvular heart disease-Wolff-Parkinson-White syndrome]

- Load independence of the rate of isovolumic relaxation in man, 1274
- Quantitative relationship between left ventricular function and serum cardiac myosin light chain I levels after coronary reperfusion in patients with acute myocardial infarction, 1251
- The relationship of afterload to ejection performance in chronic mitral regurgitation, 59
- The relationship of various measures of end-systole to left ventricular maximum time-varying elastance in man, 32
- Ventricular function after atrial cardioplegia, V-129

Ventricular performance

- The development of the entire end-systolic pressure-volume and ejection fraction-afterload relations: a new concept of systolic myocardial stiffness, 343
- Quantification of the contractile response to injury: assessment of the work-length relationship in the intact heart, 717

Ventricular septal defect

- Transaortic closure of ventricular septal defect in patients with corrected transposition with pulmonary stenosis or atresia, III-88

Ventricular septal motion

- Transseptal pressure gradient and diastolic ventricular septal motion in patients with mitral stenosis, 974

Ventricular tachycardia

- Beneficial effects of timolol on infarct size and late ventricular tachycardia in patients with acute myocardial infarction, 610
- Neodymium:YAG laser photocoagulation: a successful new map-guided technique for the intraoperative ablation of ventricular tachycardia, 1319
- Prevention of ventricular tachycardia induction during right ventricular programmed stimulation by high current strength pacing at the site of origin, 332
- Prospective evaluation of a sequential pacing and high-energy bidirectional shock algorithm for transvenous cardioversion in patients with ventricular tachycardia, 601
- Relief of life-threatening ventricular tachycardia and survival after direct operations, V-93

Verapamil

- Inhomogeneous capillary flow and its prevention by verapamil and hydralazine in the cardiomyopathic Syrian hamster, 208
- Regional effects of verapamil on recovery of excitability and conduction time in experimental ischemia, 1146

W

Wall motion

- Two-dimensional ultrasonic tissue characterization: backscatter power, endocardial wall motion, and their phase relationship for normal, ischemic, and infarcted myocardium, 850

Wolff-Parkinson-White syndrome

- Conduction over an isthmus of atrial myocardium in vivo: a possible model of Wolff-Parkinson-White syndrome, 637
- Electropharmacology of sotalol in patients with Wolff-Parkinson-White syndrome, 810

